Summary of British Columbia Herring Biological Sampling Data for the 1999-2000 Season

P. Midgley and J. Schweigert

Fisheries and Oceans Canada
Science Branch, Pacific Region
Pacific Biological Station
Nanaimo, British Columbia
V9R 5K6

2000

Canadian Data Report of Fisheries and Aquatic Sciences 1068

Fisheries and Oceans Canada
Science

Pêches et Océans Canada
Sciences

Canada

Canadian Data Report of Fisheries and Aquatic Sciences

Data reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of data reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries and aquatic sciences.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Numbers 1 - 25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26 - 160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was introduced with the publication of report number 161.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out-of-stock reports will be supplied for a fee by commercial agents.

Rapport statistique canadien des sciences halieutiques et aquatiques

Les rapports statistiques servent à classer et à archiver les compilations de données pour lesquelles il y a peu ou point d'analyse. Ces compilations auront d'ordinaire été préparées à l'appui d'autres publications ou rapports. Les sujets des rapports statistiques reflètent la vaste gamme des intérêts et des politiques du ministère des Pêches et des Océans, c'est-à-dire les sciences halieutiques et aquatiques.

Les rapports statisiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statisiques sont résumés dans la revue *Résumés des sciences aquatiques et halieutiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les numéros 1 à 25 de cette série ont été publiés à titre de relevés statistiques, Services des pêches et de la mer. Les numéros 26 à 160 ont été publiés à titre de rapports statistiques du Service des pêches et de la mer, ministère des Pêches et de l'Environnement. Le nom actuel de la série a été établi lors de la parution du numéro 161.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

101-02344/

Canadian Data Report of

Fisheries and Aquatic Sciences 1068

2000

SUMMARY OF BRITISH COLUMBIA HERRING BIOLOGICAL SAMPLING DATA FOR THE 1999-2000 SEASON

by

P. Midgley and J. Schweigert

Fisheries and Oceans Canada

Science Branch, Pacific Region

Pacific Biological Station

Nanaimo, British Columbia

V9R 5K6

© Her Majesty the Queen in Right of Canada, 2000
as represented by the Minister of Fisheries and Oceans,
Cat. No. Fs 97-13/1068E ISSN 0706-6465

Correct citation for this publication:

Midgley, P. and J. Schweigert. 2000. Summary of British Columbia herring biological sampling data for the 1999-2000 season. Can. Data Rep. Fish. Aquat. Sci. 1068: 99 p.

LIST OF TABLES

Table 1. Codes for British Columbia herring sampling data. 5

Table 2. Maturity stages for Pacific herring 6

Table 3. Biological sampling information by statistical area, section, and location for the 1999-2000 season. 8

Table 4. 2000 test fishing vessels, areas and dates of operation, and number of samples processed. 14

Table 5. Percent at age for 2000 seine roe samples, gillnet roe samples, and test fishing samples. 15

Table 6. 2000 roe herring fishery / catch information. 16

Table 7. Sample summary by source and area 17

Table 8. Trawl research sample summaries by section 18

Table 9. Food and bait fishery sample summaries by section 21

Table 10. Seine roe fishery sample summaries by section 24

Table 11. Gillnet roe fishery sample summaries by section 30

Table 12. Spawn on kelp fishery sample summaries by section 35

Table 13. Test fishing sample summaries by section 40

Table 14. Test fishing sample summaries by statistical area 69

Table 15. NTC sample summaries by section 84

LIST OF FIGURES

Fig. 1. Herring sections in the Queen Charlotte Islands region. 87

Fig. 2. Herring sections in the Prince Rupert District region. 89

Fig. 3. Herring sections in the Central Coast region. 91

Fig. 4. Herring sections in the Johnstone Strait region. 93

Fig. 5. Herring sections in the Strait of Georgia region. 95

Fig. 6. Herring sections in the west coast of Vancouver Island region. 97

Fig. 7. Herring stock assessment regions in British Columbia. 99

ABSTRACT

Midgley, P. and J. Schweigert. 2000. Summary of British Columbia herring biological sampling data for the 1999-2000 season. Can. Data Rep. Fish. Aquat. Sci. 1068: 99 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 1999-2000 season. Tables are given for two geographical groupings: statistical areas and herring sections.

RÉSUMÉ

Midgley, P. and J. Schweigert. 2000. Summary of British Columbia herring biological sampling data for the 1999-2000 season. Can. Data Rep. Fish. Aquat. Sci. 1068: 99 p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de l'harengs chantillonnés en 1999-2000, par région géographique, période de l'année, genre d'engin de péche et provenance. Les tableaux sont divisés en deux regroupements géographiques : zones statistiques et sections d'harengs.

INTRODUCTION

Biological samples of herring are collected and processed annually for length, weight, sex, maturity, age, gonad weight, and gonad length. This information is used in stock assessments, and for determining stock characteristics. Additionally, it is useful to fishery managers located along the coast of British Columbia. The information presented here is for the 1999-2000 herring season which extends from July 1, 1999 to June 30, 2000. This report summarizes biological characteristics by different gear and source types, as well as different levels of geographic aggregation. The smallest level of aggregation is by herring section (Figs. 1 - 6), which is a subdivision of Statistical Area. Stock assessments are conducted at a region level of geographic aggregation (Fig. 7).

Biological characteristics of individual fish collected annually since the 1950-51 season are maintained on computer files. These files provide a 50-year series of data accessible for analyses and modelling.

METHODS

The two main sources of biological samples are the roe herring test fishing program and roe herring fisheries. While a major objective of the test fishing program is to provide support for fisheries management, a secondary objective is to collect biological samples throughout the geographic range of herring spawning aggregations. Test fishing operations are conducted to ensure that the vessels are available before and during the main spawning run in each area. Roe herring fisheries are the main source of commercial samples. Fisheries for roe herring are sampled with the goal of collecting ten samples from each seine fishery, and six samples from each gillnet fishery. A sampling plan is designed for each fishery to ensure that the sample series collected accurately represents biological characteristics of the entire catch in time and gear distribution, for each gear type.

Additional commercial samples are collected from the fall food and bait fisheries, which are currently very small both in quota and in numbers of vessels eligible to participate (e.g. 17 vessels in the fall 1999 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample from their catch.

As well as commercial and test fishing samples, small numbers of research samples are collected by Fisheries and Oceans (DFO) vessels, and occasionally by chartered commercial vessels throughout the year. Samples with source code "4" (other) are collected from various sources that do not fit into the categories described above.

In most instances biological samples are frozen on board vessels and shipped to the Pacific Biological Station where they are processed following standard procedures described by Hamer (1989). Data codes are presented in Table 1.

Gonad maturities are classified according to a modified Hjort maturity scale (Table 2). Female roe maturities in the data summaries are defined as:

Immature	- Hjort stages 1 - 4
Mature	- Hjort stages 5 - 6
Spent	- Hjort stages 7 - 8.

Fish classified as immature in estimating the sex ratio are those whose gonads were not sufficiently developed for sex determination.

DATA COMPILATION AND SCREENING

The biological sample information from each sample is entered directly into a computer as the fish are processed, using a data entry program. The data are subsequently screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding.

AGE DETERMINATION

Age determination is based on the number of annuli on the scales. Herring ages are reported using the "year of life" convention. That is, fish in their first year are designated as age "0+". Herring "birthdays" are considered to be at spawning, and not on January 1, as is the convention for many other fish species.

A revised system of aging herring has been used since the 1987-88 season. Before that season, a fish was either assigned an age or was classified as unageable. With the revised aging system, the option of two possible ages was used when it was difficult to positively determine the age. At present there is no optimal procedure for incorporating these data into age composition estimates, so they continue to be treated as unageable. Therefore, the age compositions in this report are based only on fish for which a single age was assigned.

RESULTS

BIOLOGICAL SAMPLING AND AGE COMPOSITIONS

In the 1999/2000 season 186 test fishing samples, 93 roe fishery samples, 32 "other" samples, 19 food and bait fishery samples, and 9 research samples were processed, bringing the total number for the season to 339 (Table 3 & 7). Twelve seine vessels, four gillnet vessels, three management platforms, two surface survey vessels and one dive platform were chartered to help manage the 2000 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. Details on the distribution of effort, and number of samples collected by chartered vessels are provided in Table 4. Roe fishery samples were collected from seine fisheries in areas 2, 5, 7, 14 and 23, and from gillnet fisheries in areas 3, 4, 6, 7, 14 and 25 (Table 6). The Nuu-chah-nulth Tribal Council (NTC) collected 20 samples using a hand purse seine net, as part of a study designed to compare the characteristics of these samples with those of regular seine caught test fishing samples. Test fishing vessels collected 11 samples from spawn on kelp ponds (SOK), on an opportunistic basis. Food and bait fishery samples were taken from areas 14 and 17. Research samples were collected by the R/V W.E.Ricker during a herring year-class strength and production survey off the west coast of Vancouver Island. The R/V W.E.Ricker, while conducting a groundfish research cruise, provided incidental herring catch samples from area 19.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 5.

The following types of information, with associated table numbers, are summarized in this report:

Codes for sample data	Table 1
Maturity stages for Pacific herring	Table 2
Listing of samples processed	Table 3
Charter vessel information	Table 4
2000 age compositions	Table 5
Roe herring fishery summaries	Table 6
Data summaries	Tables 7 - 15.

The data summaries include various groupings of samples by geographical areas, gear types, and source types. Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report.

ACKNOWLEDGMENTS

The Fish Ageing Unit at the Pacific Biological Station determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples.

REFERENCES

Bowers, A.B. and F.G.T. Holliday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (Clupea harengus L.). Mar. Res. Scot. 5: 16 p.

Hamer, L. 1989. Procedures for collecting and processing British Columbia herring samples. Can. Manuscr. Rep. Fish. Aquat. Sci. 2030: 27 p.

Table 1. Codes for British Columbia herring sampling data.

A. Gear		B. Source	
19	Gillnet	0	Roe fishery
29	Seine	1	Bait fishery
20	Salmon seine	2	Research - inshore
21	Other seine	3	Research - offshore
70	Beach seine	4	Other
50	Other trawl	5	Test Fishery
59	Herring trawl	6	Food Fishery
01	Other	7	Reduction Fishery

C. Preservation		D. Sex	
0	Frozen	1	Male
1	Fresh	2	Female
2	Salted	3	Unknown
3	Other		
4	Brined		

Table 2. Maturity stages for Pacific herring (adapted from Bowers and Holliday 1961; Parrish and Saville 1965). These descriptions are intended as general guidelines. Length of time samples have been frozen, thawing time, and different handling procedures may alter the colour of the gonads. Therefore, the texture of the gonad is also used to assess maturity. The timing description is also a general guideline due to the wide range in spawn timing on the British Columbia coast.

Stage	State of Maturity	Gonad appearance	Description	Timing
I	Undeveloped	Thread-shaped	Virgin herring with small gonads, less than 2 mm broad. Accurate macroscopic determination of sex not possible. Fat is visible in the body cavity.	Year-round for young herring usually less than 150 mm in length. (However, some herring as small as 125 mm may have mature gonads.)
II	Starting	Ribbon-shaped	Gonads increased in breadth to 3-5 mm. Sex determination difficult. Testes reddish-grey coloured and knife-shaped. Ovaries reddish-wine coloured and bullet-shaped at tip. (The gonads of virgins and some repeat spawners cannot be differentiated macroscopically.) Fat is visible in the body cavity.	Late spring and early summer.
III	Developing	Tube-like	Gonads thickened, increased in breadth (5-15 mm) and elongated, but not extending full length of body cavity. Ovaries red to reddish-orange, granular in appearance, and bullet-shaped at the tip. Testes reddish-grey, smooth in appearance, and knife-shaped.	Usually late summer to early fall, but may extend into winter and early spring.
IV	Maturing	Prominent	Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the	Usually late fall and winter, but may extend to as late as March. (Slightly earlier in males than females.)

Table 2 (cont'd)

Stage	State of Maturity	Gonad appearance	Description	Timing
			ovary and testes walls.	
V	Mature	Bulging	Few or no blood vessels visible in gonad walls. Walls of body cavity thin. Ovaries gold-yellow, firm and will often break into sections. Eggs mostly transparent and uniform in size. Testes usually milk-white, soft and plump; and milt will flow under pressure.	Mid-winter to late spring.
VI	Ripe	Running	Gonads do not hold their shape. Ovaries look and feel gelatinous. Segmentation is lost. Eggs are transparent and sticky to the touch. Testes runny, and have a curdled appearance. Milt flows easily without external pressure.	A few days prior to spawning (usually in late winter to spring).
VII	Spent	Baggy	Gonads slack. Sex determination difficult. Ovaries may contain a few residual eggs. Testes limp and bloodshot. Body wall thin and no fat present; blood in body cavity.	Spring for the first few weeks following spawning.
VIII	Recovering	Compressed	Gonads wide-coloured and usually longer, fuller and not as slack as Stage VII. Blood vessels prominent. Little or no fat in the body cavity.	Late spring and early summer.

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish	
										Sampled	Aged
17	172	NANOOSE BAY	1	99	11	10	29	6	0	100	81
14	143	FRENCH CREEK	2	99	11	15	29	6	0	100	96
17	172	NANOOSE BAY	3	99	11	11	29	6	0	100	95
17	172	NANOOSE BAY	4	99	11	11	29	6	0	100	81
17	172	LANTZVILLE	5	99	12	19	29	6	0	100	92
17	172	MAUDE ISLAND	6	99	11	7	29	6	0	100	91
17	172	LANTZVILLE	7	99	12	19	29	6	0	100	91
14	143	QUALICUM RIVER	8	99	11	14	29	6	0	100	95
17	172	MAUDE ISLAND	9	99	12	18	29	6	0	100	87
17	172	MAUDE ISLAND	10	99	12	19	29	6	0	100	95
14	143	FRENCH CREEK	11	99	11	21	29	6	0	96	88
17	172	NANOOSE BAY	12	99	11	10	29	6	0	100	87
23	239	FORTY MILE BANK	13	99	8	12	59	3	0	100	94
21	219	SWIFTSURE BANK	14	99	8	12	59	3	0	100	30
23	239	FORTY MILE BANK	15	99	8	11	59	3	0	100	83
23	239	FORTY MILE BANK	16	99	8	15	59	3	0	100	95
23	239	FORTY MILE BANK	17	99	8	11	59	3	0	100	85
23	239	FORTY MILE BANK	18	99	8	14	59	3	0	100	84
23	239	FORTY MILE BANK	19	99	8	11	59	3	0	100	72
23	239	FORTY MILE BANK	20	99	8	13	59	3	0	100	94
15	152	WESTVIEW	1	00	3	7	29	5	0	100	71
14	142	METCALF BAY	2	00	3	2	29	5	0	100	93
25	253	ROSA HARBOUR	3	00	3	5	29	4	0	100	96
25	253	ROSA HARBOUR	4	00	3	5	29	5	0	100	95
25	253	DOUBLE ISLAND	5	00	2	26	29	5	0	100	98
25	252	DISCOVERY POINT	6	00	2	26	29	5	0	100	88
25	253	ROSA HARBOUR	7	00	3	5	29	4	0	100	94
25	252	MARVINAS BAY/ISLAND	8	00	3	7	29	5	0	100	92
14	142	DENMAN ISLAND (WEST)	9	00	2	28	29	5	0	100	96
25	253	ROSA HARBOUR	10	00	2	27	29	4	0	100	99
14	142	COMOX HARBOUR	11	00	3	1	29	5	0	100	94
14	142	SEAL ISLETS	12	00	2	29	29	5	0	100	98
17	173	YELLOW POINT	13	00	3	8	29	5	0	100	95
25	253	ROSA HARBOUR	14	00	2	29	29	4	0	100	94
17	173	DE COURCY ISLAND	15	00	3	9	29	5	0	100	97
25	253	ROSA HARBOUR	16	00	2	29	29	5	0	100	96
25	253	ROSA HARBOUR	17	00	3	1	29	5	0	100	97
27	272	KLASKISH INLET	18	00	3	4	29	5	0	100	98
27	271	GILLAM ISLANDS	19	00	2	27	29	5	0	100	98
25	253	ROSA HARBOUR	20	00	3	4	29	4	0	100	97
23	232	FORBES ISLAND	21	00	3	5	29	5	0	100	98
23	232	FORBES ISLAND	22	00	3	3	29	5	0	100	98
23	233	SWALE ROCK	23	00	3	1	29	5	0	100	95
17	172	MAUDE ISLAND	24	00	3	6	29	5	0	100	94
23	232	CHROW ISLANDS	25	00	3	5	29	5	0	100	93
23	232	FORBES ISLAND	26	00	3	8	29	5	0	100	99
23	232	FORBES ISLAND	27	00	3	2	29	5	0	100	98
27	272	KLASKISH INLET	28	00	3	8	29	5	0	100	95
23	232	FORBES ISLAND	29	00	3	4	29	5	0	100	96
23	232	FORBES ISLAND	30	00	3	7	29	5	0	100	88
14	142	SEAL ISLETS	31	00	2	27	29	5	0	100	96
17	172	ICARUS POINT	32	00	2	24	29	5	0	100	92
17	173	YELLOW POINT	33	00	3	15	29	5	0	100	81
14	142	LONGBEAK POINT	34	00	3	3	29	5	0	100	90
17	173	LINK ISLAND	35	00	3	14	29	5	0	100	98
14	142	SANDY ISLAND	36	00	2	24	29	5	0	100	98
24	243	STARLING POINT	37	00	2	27	29	5	0	100	96
14	143	MISTAKEN ISLAND	38	00	3	14	29	5	0	100	97

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish	
										Sampled	Aged
14	142	DEEP BAY	39	00	3	4	29	5	0	100	94
14	142	LAMBERT CHANNEL	40	00	3	2	29	5	0	100	92
17	173	LINK ISLAND	41	00	3	6	29	5	0	100	90
14	142	REPULSE POINT	42	00	2	29	29	5	0	100	94
24	243	SYDNEY INLET	43	00	3	3	29	5	0	100	96
14	142	LAMBERT CHANNEL	44	00	2	29	29	5	0	96	91
14	142	SEAL ISLETS	45	00	2	27	29	5	0	100	97
24	243	SYDNEY INLET	46	00	2	29	29	4	0	100	93
24	243	HOT SPRINGS COVE	47	00	2	24	29	5	0	100	97
14	142	CAPE LAZO	48	00	2	27	29	5	0	100	94
14	142	METCALF BAY	49	00	3	1	29	5	0	100	98
14	143	QUALICUM BEACH	50	00	3	5	29	5	0	100	95
17	173	ROUND ISLAND	51	00	3	14	29	5	0	100	87
14	142	CHROME ISLAND	52	00	3	4	29	5	0	100	98
14	143	GRAVELLY BAY	53	00	2	29	29	5	0	100	94
24	243	SYDNEY INLET	54	00	3	6	29	5	0	100	92
14	142	SANDY ISLAND	55	00	2	23	29	5	0	100	96
14	142	SHINGLE SPIT	56	00	2	29	29	5	0	100	96
14	143	GRAVELLY BAY	57	00	3	5	29	5	0	100	97
17	173	YELLOW POINT	58	00	3	12	29	5	0	100	93
17	173	LINK ISLAND	59	00	3	15	29	5	0	100	93
27	273	FORWARD INLET	60	00	3	6	29	5	0	100	95
17	173	YELLOW PT. (NORTH)	61	00	3	10	29	5	0	100	94
7	72	POWELL ANCHORAGE	62	00	3	16	29	5	0	100	100
25	253	ROSA HARBOUR	63	00	3	23	21	4	0	100	99
8	85	ILLAHIE INLET	64	00	3	21	29	5	0	100	88
25	253	ROSA HARBOUR	65	00	3	23	21	4	0	100	91
7	78	SPILLER CHANNEL HEAD	66	00	3	17	29	5	0	100	99
25	253	CENTRE ISLAND	67	00	3	23	21	4	0	100	95
25	253	ROSA HARBOUR	68	00	3	5	29	5	0	100	88
25	253	ROSA HARBOUR	69	00	3	23	21	4	0	100	95
25	253	GARDEN POINT	70	00	3	23	21	4	0	100	97
17	173	LINK ISLAND	71	00	3	19	29	5	0	100	90
17	173	DE COURCY ISLAND	72	00	3	6	29	5	0	100	96
25	253	ROSA HARBOUR	73	00	3	6	29	5	0	100	95
25	253	ROSA HARBOUR	74	00	3	2	29	4	0	100	93
17	172	GABRIOLA IS. (N. SHORE)	75	00	3	8	29	5	0	100	97
14	142	SHIP POINT	76	00	3	4	29	5	0	100	95
25	253	DOUBLE ISLAND	77	00	2	24	29	5	0	100	91
17	173	GALIANO ISLAND	78	00	3	9	29	5	0	100	99
14	142	REPULSE POINT	79	00	2	27	29	5	0	100	88
24	243	HOT SPRINGS COVE	80	00	2	26	29	5	0	100	95
7	74	RAYMOND PASS	81	00	3	10	29	5	0	100	98
8	85	KWAKSHUA CHANNEL	82	00	3	8	29	5	0	100	99
7	74	JOASSA CHANNEL	83	00	3	13	29	5	0	100	97
7	72	BERRY INLET	84	00	3	16	29	5	0	100	95
23	232	SPILLING ISLET	85	00	3	23	21	4	0	100	94
23	232	DAVID ISLAND	86	00	3	23	21	4	0	100	98
25	253	GARDEN POINT	87	00	3	23	21	4	0	100	99
23	232	ROWLANDS ISLET	88	00	3	23	21	4	0	100	94
23	232	DAVID ISLAND	89	00	3	23	21	4	0	100	96
25	253	ROSA HARBOUR	90	00	3	23	21	4	0	95	93
23	232	ST. INES ISLAND	91	00	3	23	21	4	0	100	93
23	232	ST. INES ISLAND	92	00	3	23	21	4	0	100	97
14	142	KOMAS BLUFF	93	00	2	25	19	5	0	100	83
14	142	CHROME ISLAND	94	00	3	4	29	5	0	100	94
24	243	STARLING POINT	95	00	3	2	29	5	0	100	95
14	142	FORD COVE	96	00	2	27	29	5	0	100	96

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish	
										Sampled	Aged
14	142	BOYLE POINT	97	00	2	28	29	5	0	100	96
14	142	REPULSE POINT	98	00	3	3	29	5	0	100	94
14	142	NORRIS ROCKS	99	00	2	25	29	5	0	100	95
14	142	DENMAN ISLAND	100	00	2	26	29	5	0	100	95
23	232	DAVID ISLAND	101	00	3	23	21	4	0	100	94
14	143	QUALICUM RIVER	102	00	2	29	29	5	0	100	91
14	142	REPULSE POINT	103	00	2	28	29	5	0	100	94
14	143	QUALICUM BEACH	104	00	3	4	29	5	0	100	94
14	142	METCALF BAY	105	00	3	2	29	5	0	100	91
24	243	SYDNEY INLET	106	00	3	5	29	5	0	100	96
23	232	ST. INES ISLAND	107	00	3	23	21	4	0	100	94
14	142	FILLONGLEY PARK	108	00	3	1	29	5	0	100	99
14	142	LAMBERT CHANNEL	109	00	2	26	29	5	0	100	94
14	142	FANNY BAY	110	00	3	2	29	5	0	100	95
7	74	GALE PASSAGE	111	00	3	14	29	5	0	100	97
17	173	YELLOW POINT	112	00	3	14	29	5	0	100	89
25	253	OWOSSITSA CREEK	113	00	3	23	21	4	0	100	93
17	173	STUART CHANNEL	114	00	3	18	29	5	0	100	95
17	173	LINK ISLAND	115	00	3	12	29	5	0	100	98
8	85	KWAKSHUA CHANNEL	116	00	3	9	29	5	0	100	96
23	232	SPILLING ISLET	117	00	3	23	21	4	0	100	99
23	232	ROWLANDS ISLET	118	00	3	23	21	4	0	100	96
17	173	YELLOW POINT	119	00	3	13	29	5	0	100	93
25	253	ROSA HARBOUR	120	00	3	23	21	4	0	100	94
23	232	CHROW ISLANDS	121	00	2	26	29	5	0	100	99
23	233	SWALE ROCK	122	00	2	29	29	5	0	100	99
17	173	TENT ISLAND	123	00	3	20	29	5	0	100	92
23	232	SPILLING ISLET	124	00	3	12	29	5	0	100	95
23	232	ST. INES ISLAND	125	00	3	23	21	4	0	100	96
23	232	STOPPER ISLANDS	126	00	3	14	29	5	0	100	98
23	232	FORBES ISLAND	127	00	3	6	29	5	0	100	97
23	232	CHROW ISLANDS	128	00	3	4	29	5	0	100	98
23	232	CHROW ISLANDS	129	00	2	26	29	5	0	100	95
23	232	CHROW ISLANDS	130	00	2	29	29	5	0	100	90
27	273	WINTER HARBOUR	131	00	3	14	29	4	0	100	89
2	21	HASWELL BAY	132	00	3	22	29	5	0	100	95
25	253	ROSA HARBOUR	133	00	3	13	29	5	0	100	96
2	25	BOLKUS ISLANDS	134	00	3	13	29	5	0	100	96
2	25	SKINCUTTLE INLET	135	00	3	6	29	5	0	100	95
25	253	GARDEN POINT	136	00	3	23	19	0	0	100	84
2	21	ISLAND BAY	137	00	3	13	29	5	0	100	97
25	253	GARDEN POINT	138	00	3	23	19	0	0	100	94
2	25	HARRIET HARBOUR	139	00	3	9	29	5	0	100	99
27	273	WINTER HARBOUR	140	00	3	14	29	4	0	100	94
14	142	DENMAN ISLAND	141	00	2	22	29	5	0	100	92
7	72	SPILLER LAGOON	142	00	3	15	29	5	0	100	96
17	173	STUART CHANNEL	143	00	2	28	29	5	0	100	97
17	172	BLUNDEN POINT	144	00	2	29	29	5	0	100	92
14	142	KOMAS BLUFF	145	00	2	24	29	5	0	100	97
24	243	SYDNEY INLET	146	00	3	7	29	5	0	100	93
7	78	NEEKAS INLET	147	00	3	16	29	5	0	100	100
14	142	MUD BAY - BAYNES SOUND	148	00	3	1	29	5	0	100	92
6	67	MEYERS PASSAGE	149	00	3	21	29	5	0	100	95
7	74	WASKESIU PASS	150	00	3	3	29	5	0	100	95
2	25	HARRIET HARBOUR	151	00	3	8	29	5	0	100	97
27	273	WINTER HARBOUR	152	00	3	14	29	4	0	100	92
7	74	LITTLE THOMPSON BAY	153	00	3	21	29	5	0	100	97
2	25	HARRIET ISLAND	154	00	3	11	29	5	0	100	96

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish	
										Sampled	Aged
7	77	EAST HIGGINS PASS	155	00	3	5	29	5	0	100	95
2	24	SELWYN INLET	156	00	3	30	29	5	0	100	96
2	25	HUSTON INLET	157	00	3	6	29	5	0	100	96
2	25	SEA PIGEON ISLAND	158	00	3	4	29	5	0	100	98
10	102	TAKUSH HARBOUR	159	00	3	29	29	4	0	100	92
25	253	ROSA HARBOUR	160	00	3	10	29	5	0	100	89
7	72	SHINGLE ROCK	161	00	3	13	29	5	0	100	96
7	77	EAST HIGGINS PASS	162	00	3	10	29	5	0	100	98
7	72	SHINGLE ROCK	163	00	3	17	29	5	0	100	99
2	25	BOLKUS ISLANDS	164	00	3	13	29	5	0	100	93
7	72	BERRY INLET	165	00	3	19	29	5	0	100	93
7	72	BERRY INLET	166	00	3	14	29	5	0	100	97
7	77	EAST HIGGINS PASS	167	00	3	13	29	5	0	100	98
7	78	NEEKAS INLET	168	00	3	7	29	5	0	100	99
7	72	MOSQUITO BAY	169	00	3	12	29	5	0	100	95
7	77	EAST HIGGINS PASS	170	00	3	16	29	5	0	100	96
25	253	OWOSSITSA CREEK	171	00	3	23	19	0	0	81	59
25	253	OWOSSITSA CREEK	172	00	3	23	19	0	0	98	83
5	52	GURD POINT	173	00	3	19	29	5	0	100	96
6	67	KITASU BAY	174	00	3	6	29	5	0	100	94
7	74	CLARIE ISLAND	175	00	3	8	29	5	0	100	95
5	52	PORCHER ISLAND SOUTH	176	00	3	27	29	5	0	100	95
7	77	EAST HIGGINS PASS	177	00	3	15	29	5	0	100	100
7	73	CHATFIELD ISLAND	178	00	3	14	29	5	0	100	96
7	74	CLARIE ISLAND	179	00	3	4	29	5	0	100	95
0	3	SHIELDS BAY	180	00	3	25	29	5	0	100	88
6	67	KITASU BAY	181	00	3	9	29	5	0	100	100
5	52	WILLIS BAY	182	00	3	19	29	5	0	100	99
5	52	GURD ISLAND	183	00	3	27	29	5	0	100	95
2	21	NOMAD ISLET	184	00	3	15	29	0	0	100	94
5	52	SNASS POINT	185	00	3	27	29	5	0	100	95
2	21	SKAAT HARBOUR	186	00	3	16	29	5	0	100	96
5	52	PORCHER PENINSULA	187	00	3	21	29	5	0	100	92
5	52	VISCOUNT POINT	188	00	4	1	29	5	0	100	95
7	74	SEAFORTH CHANNEL	189	00	3	11	29	5	0	100	96
7	72	BERRY INLET	190	00	3	19	29	5	0	100	97
7	72	SPILLER CHANNEL	191	00	3	17	29	0	0	100	93
7	77	EAST HIGGINS PASS	192	00	3	22	29	5	0	100	97
5	52	KITKATLA INLET	193	00	3	27	29	0	0	100	94
7	72	SPILLER CHANNEL	194	00	3	19	29	0	0	100	87
5	52	VISCOUNT POINT	195	00	3	22	29	5	0	100	97
7	72	SHINGLE ROCK	196	00	3	18	29	0	0	100	95
7	72	FOOTE ISLETS	197	00	3	18	29	0	0	100	90
5	52	ROBERT ISLAND	198	00	1	4	29	4	0	100	97
7	72	FOOTE ISLETS	199	00	3	17	29	0	0	100	85
7	72	FOOTE ISLETS	200	00	3	18	29	0	0	100	96
7	74	BODDY PASSAGE/NARROWS	201	00	3	5	29	5	0	100	96
5	52	KITKATLA INLET	202	00	3	28	29	0	0	100	96
7	72	SPILLER CHANNEL	203	00	3	18	29	0	0	100	89
5	52	KITKATLA CHANNEL	204	00	3	28	29	0	0	100	96
7	72	FOOTE ISLETS	205	00	3	19	29	0	0	100	93
5	52	KITKATLA INLET	206	00	3	28	29	0	0	100	94
7	72	FOOTE ISLETS	207	00	3	17	29	0	0	100	97
5	52	KITKATLA CHANNEL	208	00	3	27	29	0	0	100	96
5	52	GURD POINT	209	00	3	28	29	0	0	100	94
5	52	KITKATLA INLET	210	00	3	27	29	0	0	100	95
7	72	FOOTE ISLETS	211	00	3	17	29	0	0	100	98
5	52	KITKATLA INLET	212	00	3	27	29	0	0	100	91

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish	
										Sampled	Aged
7	72	SPILLER CHANNEL	213	00	3	17	29	0	0	100	91
7	72	FOOTE ISLETS	214	00	3	17	29	0	0	100	91
5	52	GURD POINT	215	00	3	28	29	0	0	100	98
7	72	SPILLER CHANNEL	216	00	3	17	29	0	0	100	97
7	72	SPILLER CHANNEL	217	00	3	17	29	0	0	100	95
5	52	KITKATLA INLET	218	00	3	28	29	0	0	100	87
14	142	SHIP POINT	219	00	3	2	29	0	0	100	96
4	42	BELLETTI POINT	220	00	3	31	19	0	0	100	86
4	42	CURLEW ROCK	221	00	3	30	19	0	0	100	91
14	142	SHIP POINT	222	00	3	2	29	0	0	100	92
4	42	WHITECLIFF ISLAND	223	00	3	30	19	0	0	100	88
4	42	SWALLOW ISLAND	224	00	3	29	19	0	0	100	89
14	142	DENMAN ISLAND	225	00	3	2	29	0	0	100	96
2	21	WANDERER POINT	226	00	3	15	29	0	0	100	95
4	42	BIG BAY	227	00	3	31	19	0	0	100	89
14	142	FANNY BAY	228	00	3	2	29	0	0	100	96
14	142	FANNY BAY	229	00	3	2	29	0	0	100	98
14	142	DEEP BAY	230	00	3	2	29	0	0	100	97
14	142	METCALF BAY	231	00	3	2	29	0	0	100	93
2	21	SKAAT HARBOUR	232	00	3	15	29	0	0	100	92
2	21	ISLAND BAY	233	00	3	15	29	0	0	100	97
2	21	SKAAT HARBOUR	234	00	3	15	29	0	0	100	99
14	142	SHIP POINT	235	00	3	2	29	0	0	100	94
2	21	SKAAT HARBOUR	236	00	3	16	29	0	0	100	81
14	142	DENMAN ISLAND (WEST)	237	00	3	2	29	0	0	100	94
4	42	BURNT CLIFF ISLAND	238	00	3	30	19	0	0	100	94
2	21	SKAAT HARBOUR	239	00	3	15	29	0	0	100	88
4	42	SIMPSON POINT	240	00	3	31	19	0	0	100	95
4	42	SWALLOW ISLAND	241	00	3	29	19	0	0	100	92
4	42	BIG BAY	242	00	4	1	19	0	0	100	89
14	143	GRAVELLY BAY	243	00	3	5	19	0	0	100	91
14	142	BOYLE POINT	244	00	3	4	19	0	0	100	84
23	232	FORBES ISLAND	245	00	3	9	29	0	0	100	81
14	142	TRIBUNE BAY	246	00	3	6	19	0	0	100	83
2	21	WANDERER POINT	247	00	3	15	29	0	0	100	93
14	142	BOYLE POINT	248	00	3	4	19	0	0	100	88
14	142	REPULSE POINT	249	00	3	5	19	0	0	100	84
4	42	FINLAYSON ISLAND WEST	250	00	3	10	29	5	0	100	95
4	42	ESCAPE REEFS	251	00	3	15	29	5	0	100	98
4	42	BURNT CLIFF ISLAND	252	00	3	14	29	5	0	100	97
4	42	FINLAYSON ISLAND WEST	253	00	3	13	29	5	0	100	97
14	142	KOMAS BLUFF	254	00	2	27	29	5	0	100	96
4	42	FINLAYSON ISLAND WEST	255	00	3	13	29	5	0	100	97
19	191	SAANICH INLET	256	00	4	16	59	2	0	100	62
4	42	BURNT CLIFF ISLAND	257	00	3	19	29	5	0	100	96
4	42	ESCAPE REEFS	258	00	3	17	29	5	0	100	98
4	43	CREAK ISLANDS	259	00	4	2	29	5	0	100	98
4	42	BIG BAY	260	00	3	22	29	5	0	100	100
4	42	ESCAPE REEFS	261	00	3	17	29	5	0	100	96
4	42	TREE BLUFF	262	00	3	23	29	5	0	100	94
4	42	TREE BLUFF	263	00	3	22	29	5	0	100	93
4	42	FINLAYSON ISLAND WEST	264	00	3	10	29	5	0	100	100
4	42	TREE BLUFF	265	00	3	29	29	5	0	100	98
3	33	CUNNINGHAM PASS	266	00	3	20	29	5	0	100	98
4	42	TREE BLUFF	267	00	3	29	29	5	0	100	97
25	253	NUCHATLITZ INLET	268	00	3	23	19	0	0	100	75
4	42	BURNT CLIFF ISLAND	269	00	3	15	29	5	0	100	97
4	42	FINLAYSON ISLAND WEST	270	00	3	12	29	5	0	100	91

Table 3. Biological sampling information by statistical area, herring section, and location for the 1999 - 2000 season.

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
24	242	LECLAIRE POINT	271	00	3	16	29	5	0	100	96
4	42	TREE BLUFF	272	00	3	21	29	5	0	100	89
2	21	SKAAT HARBOUR	273	00	3	16	29	0	0	100	95
14	142	NORRIS ROCKS	274	00	2	6	29	6	0	100	93
4	42	TRENHAM POINT	275	00	3	17	29	5	0	100	98
4	43	HUNT INLET	276	00	4	1	29	5	0	100	98
4	42	HOGAN LEDGE	277	00	3	24	29	5	0	100	94
4	42	TREE BLUFF	278	00	3	18	29	5	0	100	87
24	243	STARLING POINT	279	00	2	22	29	5	0	100	83
23	232	CHROW ISLANDS	280	00	2	24	29	5	0	100	92
14	142	NORRIS ROCKS	281	00	2	5	29	6	0	100	93
14	142	NORRIS ROCKS	282	00	2	5	29	6	0	100	90
14	142	NORRIS ROCKS	283	00	2	5	29	6	0	100	89
14	142	NORRIS ROCKS	284	00	2	3	29	6	0	100	88
23	232	FORBES ISLAND	285	00	3	8	29	0	0	100	92
23	232	FOOD ISLETS	286	00	3	8	29	0	0	100	91
25	253	OWOSSITSA CREEK	287	00	3	21	19	0	0	100	72
14	142	DENMAN ISLAND (EAST)	288	00	3	6	19	0	0	100	79
23	232	FORBES ISLAND	289	00	3	8	29	0	0	100	92
14	143	NILE CREEK	290	00	3	5	19	0	0	100	71
7	77	EAST HIGGINS PASS	291	00	3	28	19	0	0	100	82
23	232	FORBES ISLAND	292	00	3	9	29	0	0	100	89
14	142	CHROME ISLAND	293	00	3	5	19	0	0	100	85
14	142	BOYLE POINT	294	00	3	4	19	0	0	100	93
7	77	EAST HIGGINS PASS	295	00	3	29	19	0	0	100	93
7	77	EAST HIGGINS PASS	296	00	3	30	19	0	0	100	88
23	232	FORBES ISLAND	297	00	3	9	29	0	0	100	93
7	77	EAST HIGGINS PASS	298	00	3	28	19	0	0	100	83
7	77	EAST HIGGINS PASS	299	00	3	29	19	0	0	100	93
7	77	EAST HIGGINS PASS	300	00	3	29	19	0	0	100	92
2	21	WANDERER POINT	301	00	3	16	29	0	0	100	89
25	253	OWOSSITSA CREEK	302	00	3	22	19	0	0	100	81
23	232	FORBES ISLAND	303	00	3	8	29	0	0	100	96
14	142	REPULSE POINT	304	00	3	6	19	0	0	100	84
23	232	FORBES ISLAND	305	00	3	8	29	0	0	100	77
7	77	EAST HIGGINS PASS	306	00	3	28	19	0	0	100	71
25	253	CENTRE ISLAND	307	00	3	21	19	0	0	100	79
7	77	EAST HIGGINS PASS	308	00	3	28	19	0	0	100	85
14	142	NORRIS ROCKS	309	00	2	2	29	6	0	100	95
14	142	SHIP POINT	310	00	3	2	29	0	0	100	96
14	143	THAMES CREEK	311	00	3	6	19	0	0	100	82
14	142	SANDY ISLAND	312	00	3	2	29	5	0	100	97
14	142	CHROME ISLAND	313	00	3	3	29	0	0	100	80
14	143	MAPLEGUARD PT.	314	00	3	5	19	0	0	100	88
24	243	SYDNEY INLET	315	00	3	5	29	5	0	100	95
2	21	SKAAT HARBOUR	316	00	3	16	29	0	0	100	92
14	143	GRAVELLY BAY	317	00	3	6	19	0	0	100	85
14	142	NORRIS ROCKS	318	00	2	4	29	6	0	100	96
2	25	BAG HARBOUR	319	00	3	15	29	0	0	100	96

Table 4. 2000 Test fishing vessels, areas and dates of operation, number of sets made, and number of samples processed

REGION	VESSEL	STAT AREAS	DATES	# SETS MADE	# SAMPLES PROCESSED
QCI	Queens Reach	2E	Mar 02 - Mar 31	17	12
	Southern Provider	2W	Mar 13 - Mar 31	5	1
	Western Hunter	2E, 2W	Mar 15 - Apr 25	--	--
QCI TOTAL				22	13
PRINCE RUPERT DISTRICT	Nita Maria	3, 4, 5	Mar 09 - Apr 03	32	23
	Pachena No 1	5	Mar 18 - Apr 04	10	8
	Royal Pride*	3, 4, 5	Mar 17 - Apr 25	--	--
PRD TOTAL				42	31
CENTRAL COAST	Tara Lynn	6 - 10	Mar 06 - Mar 24	9	9
	Christav	6 - 10	Mar 09 - Apr 12	13	9
	Kynoc	6 - 10	Mar 02 - Mar 31	18	16
	Ocean Explorer*	6 - 10	Mar 15 - Apr 13	--	--
	Lasqueti Star**	6 - 10	Mar 09 - Mar 31	--	--
CENT TOTAL				40	34
ST. OF GEORGIA	Pachena No 1	13, 14, 15, 17	Feb 24 - Mar 08	14	11
	Tara Lynn	13, 14	Feb 22 - Mar 18	18	10
	Angela Lynn	14, 17	Feb 22 - Mar 18	26	17
	Ocean Venture	14, 17, 18	Feb 26 - Mar 22	37	27
	Endurance*	14, 17,18	Feb 26 - Apr 03	--	--
	Native Joye*	14,17, 18	Feb 26 - Mar 31	--	--
	Snowdrift**	18	Feb 24 - Mar 15	--	--
	Port Lincoln^*	12	Mar 01 - Mar 31	--	--
	Discovery Huntress^*	13	Mar 01 - Mar 31	--	--
	Lahaina Joye^	14, 17, 18			
ST. OF GEORGIA TOTAL				95	65
W COAST VANCOUVER ISLAND	Ocean Horizon	23, 24	Feb 21 - Mar 17	25	18
	Royal Viking	23 - 27	Feb 24 - Apr 03	13	11
	Canadian Shore	23 - 27	Feb 24 - Apr 03	12	10
	Ganges**	24	Feb 29 - Mar 23	--	--
	Southern Provider	27	Feb 26 – Mar 09	6	4
WCVI TOTAL				56	43
TOTAL				255	186

* - Gillnet test and spawn assessment - no samples collected
** - Management platform - no samples collected
^ - Tagging platform

Table 5. Percent at age for 2000 seine roe samples, gillnet roe samples, and test fishing samples.

SECTION	SOURCE	GEAR	PERCENT AT AGE										NUMBER
			0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	AGED
003 RENNELL SOUND	5	29	0	15	64	18	0	2	0	1	0	0	88
021 JUAN PEREZ SOUND	0	29	0	2	14	3	64	10	6	0	1	0	1015
021 JUAN PEREZ SOUND	5	29	0	10	29	6	48	3	3	0	0	0	288
024 SELWYN INLET	5	29	0	13	28	4	48	2	4	0	0	0	95
025 SKINCUTTLE INLET	0	29	0	4	17	3	64	10	0	1	1	0	96
025 SKINCUTTLE INLET	5	29	0	16	19	4	50	7	3	0	0	0	770
033 PORT SIMPSON	5	29	0	0	11	9	23	17	32	5	1	1	98
042 AREA 4 NORTH	0	19	0	0	0	2	23	20	42	9	1	2	813
042 AREA 4 NORTH	5	29	0	2	30	11	22	11	21	3	1	0	1912
043 AREA 4 SOUTH	5	29	0	3	48	11	15	9	12	1	0	1	196
052 KITKATLA INLET	0	29	0	1	21	7	40	14	13	2	1	1	941
052 KITKATLA INLET	5	29	0	2	28	9	34	15	10	2	0	0	764
067 KITASU BAY	5	29	0	0	15	9	44	25	5	1	0	0	288
072 POWELL ANCHORAGE	0	29	0	0	18	10	33	29	7	1	1	2	1295
072 POWELL ANCHORAGE	5	29	0	0	18	12	32	28	6	2	2	1	868
073 BELLA BELLA	5	29	0	3	33	11	25	23	3	1	0	0	868
074 THOMPSON BAY	5	29	0	0	22	10	33	25	6	1	1	1	866
077 MILBANKE SOUND	0	19	0	0	1	2	40	41	10	2	1	3	687
077 MILBANKE SOUND	5	29	0	0	10	10	51	24	5	1	0	0	584
078 DON PENINSULA	5	29	0	2	25	14	27	23	6	1	1	1	298
085 KWAKSHUA CHANNEL	5	29	0	1	35	14	25	20	5	0	0	0	283
142 BAYNES SOUND	0	19	0	0	1	15	44	29	9	2	0	0	680
142 BAYNES SOUND	0	29	0	4	31	20	28	13	4	0	0	0	1032
142 BAYNES SOUND	5	29	0	9	37	20	23	8	2	0	0	0	3315
143 QUALICUM	0	19	0	0	1	14	45	27	10	2	1	0	417
143 QUALICUM	5	29	0	14	31	19	25	9	2	0	0	0	568
152 POWELL RIVER	5	29	65	30	4	1	0	0	0	0	0	0	71
172 NANOOSE BAY	5	29	0	12	41	18	16	9	3	0	0	0	375
173 YELLOW POINT	5	29	0	16	43	17	16	7	1	0	0	0	1677
232 MACOAH PASS	0	29	0	7	26	22	19	22	3	1	0	0	711
232 MACOAH PASS	5	29	0	10	22	23	17	25	3	1	0	0	1434
233 IMPERIAL EAGLE CHANNEL	5	29	0	15	35	22	11	16	1	0	0	0	194
242 HESQUIAT HARBOUR	5	29	0	0	0	9	13	61	9	5	0	2	96
243 SYDNEY INLET	5	29	0	5	19	17	19	33	5	1	1	0	938
252 NOOTKA SOUND	5	29	0	3	20	19	13	36	7	2	1	0	180
253 ESPERANZA INLET	0	19	0	0	1	8	27	53	6	3	2	0	627
253 ESPERANZA INLET	5	29	0	1	27	17	20	27	4	2	1	0	942
271 GILLAM ISLANDS	5	29	0	1	39	30	12	15	3	0	0	0	98
272 BROOKS BAY	5	29	0	4	58	23	9	6	1	0	0	1	193
273 FORWARD INLET	5	29	0	1	56	19	13	9	2	0	0	0	95

Table 6. 2000 Roe herring fishery / catch information.

AREA	LICENCES	QUOTA	CATCH	% TOTAL CATCH	FISHERY	DURATION (Hours)
WCVI - SN B	9	500	547	1.9%	Open 0930 Mar 8 to 1400 Mar 9 in 23-11 and Ptn 23-9 & 23-10	28.5
WCVI - GN E	72	750	772	2.7%	Open 1600 to Mar 21 to 0020 Mar 24 in 25-13	56.3
GULF - SN	92	6540	6689	23.3%	Open 0900 to 2317 Mar 2 in 14-8 Open 0805 to 2150 Mar 3 in 14-8 & 14-5 Remaining catch taken by DFO test vessel.	28.0
GULF - GN	* 791	8000	8155	28.4%	Open 1000 Mar 4 to 0830 Mar 7 in 14-1 to 14-13 and 14-15	70.5
C. COAST - SN	99	6000	6513	22.7%	Open 1245 to 2000 Mar 17 in 7-13 and Ptn 7-12 & 7-8 Open 0700 Mar 18 to 0115 Mar 19 in 7-13 and Ptn 7-12 & 7-8 Open 1615 Mar 18 to 0115 Mar 19 in 7-14 Open 0530 to 1145 Mar 19 in 7-13 and Ptn 7-12, 7-14 & 7-8	34.5
C. COAST - GN	126	1000	1021	3.6%	Open 1045 Mar 28 to 0745 Mar 30 in 6-16, 6-17 & 7-3	45.0
N. COAST - SN	19	1300	1366	4.8%	Open 1600 to 2000 Mar 27 in Ptn 5-4, 5-5 & 5-9 Open 0615 to 1545 Mar 28 in Ptn 5-4, 5-5 & 5-9	13.5
N. COAST - GN	260	2000	2028	7.1%	Open 1600 Mar 29 to 2000 Apr 1 in 3-2, 3-5, 4-5 4-7 to 4-9 and Ptn 3-4, 4-6 & 4-14	80.0
QCI - SN	21	1500	1640	5.7%	Open 0624 to 1900 Mar 15 in 2-13 Open 0600 to 1223 Mar 16 in 2-13 Open 0800 to 1223 Mar 16 in 2-15 & 2-16	18.8
TOTAL - SN	,240	15840	16755	58.3%	Seine Total	123.3
TOTAL - GN	1249	11750	11976	41.7%	Gillnet Total	251.8
TOTAL		27590	28731	100.0%	Total	375.1

CATCHES ARE VALIDATED LANDINGS IN TONS
WCVI - E = ESPERANZA
WCVI - B = BARKLEY

Table 7. Number of Samples by Source and Area for 1999/2000

Area	Test Fishery	Roe fishery		Research					Area Total
		Seine	Gillnet	Offshore	Inshore	SOK	NTC	Food	
2W	1								1
2E	11	12				1			24
3	1								1
4	22		9						31
5	8	10				1			19
6	3								3
7	28	14	8						50
8	3								3
10						1			1
13									0
14	42	11	13					10	76
15	1								1
17	22							9	31
18									0
19				1					1
21					1				1
23	17	8			7		11		43
24	11					1			12
25	12		8			5	9		34
27	4					3			7
Fishery Total	186	55	38	1	8	12	20	19	339

Table 8. Trawl research sample summaries by section

SECTION: 191 - SAANICH INLET
SAMPLE NUMBERS: 256,
SOURCE: RESEARCH - INSHORE
GEAR: HERRING TRAWL
DATE: APR 16/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	39	6	14	1	1	1	0	0	0	0	38	100
% AT AGE	62.90	9.68	22.58	1.61	1.61	1.61	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	105.13	152.83	137.21	150.00	153.00	175.00	0.00	0.00	0.00	0.00	108.58	115.42
- STD. DEV.	5.95	8.38	11.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.01	20.42
WEIGHT - MEAN(gm)	14.59	43.17	32.71	36.00	46.00	59.00	0.00	0.00	0.00	0.00	17.18	20.80
- STD. DEV.	2.50	6.24	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.26	12.08

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	50	34	2	0	0	0	0	0	14
% AT STAGE	50.00	34.00	2.00	0.00	0.00	0.00	0.00	0.00	14.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	0	0	14
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	6	14	80	100
%	6.00	14.00	80.00	100.00
MEAN WEIGHT	40.50	38.14	16.29	20.80
% SAMP. WT.	11.68	25.67	62.64	100.00

Table 8. (cont'd) Trawl research sample summaries by section

SECTION: 219 - OFFSHORE AREA 21
SAMPLE NUMBERS: 14,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: AUG 12/1999

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	21	4	3	0	2	0	0	0	0	70	100
% AT AGE	0.00	70.00	13.33	10.00	0.00	6.67	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	142.05	164.75	151.67	0.00	215.00	0.00	0.00	0.00	0.00	138.96	142.54
- STD. DEV.	0.00	9.81	16.70	19.55	0.00	12.73	0.00	0.00	0.00	0.00	9.07	15.24
WEIGHT - MEAN(gm)	0.00	42.62	67.00	57.67	0.00	166.00	0.00	0.00	0.00	0.00	39.86	44.58
- STD. DEV.	0.00	10.29	24.58	19.86	0.00	21.21	0.00	0.00	0.00	0.00	6.86	20.61

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	57	33	2	0	0	0	0	0	8
% AT STAGE	57.00	33.00	2.00	0.00	0.00	0.00	0.00	0.00	8.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	21	0	0	21
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	4	21	75	100
%	4.00	21.00	75.00	100.00
MEAN WEIGHT	96.00	55.67	38.73	44.58
% SAMP. WT.	8.61	26.22	65.16	100.00

Table 8. (cont'd) Trawl research sample summaries by section

SECTION: 239 - OFFSHORE AREA 23
SAMPLE NUMBERS: 19, 13, 20, 15, 16, 18, 17,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: AUG 11/1999 - AUG 15/1999

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	21	375	105	66	37	2	1	0	0	93	700
% AT AGE	0.00	3.46	61.78	17.30	10.87	6.10	0.33	0.16	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	141.43	169.36	183.63	193.24	198.05	212.00	199.00	0.00	0.00	170.60	174.76
- STD. DEV.	0.00	9.98	9.51	10.66	8.75	19.50	0.00	0.00	0.00	0.00	15.65	16.00
WEIGHT - MEAN(gm)	0.00	37.33	68.72	89.63	106.55	123.35	130.00	115.00	0.00	0.00	71.71	78.01
- STD. DEV.	0.00	8.55	11.69	16.31	14.49	25.40	24.04	0.00	0.00	0.00	22.10	23.44

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	26	519	152	0	0	0	0	0	3
% AT STAGE	3.71	74.14	21.71	0.00	0.00	0.00	0.00	0.00	0.43

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	344	0	0	344
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	237	344	119	700
%	33.86	49.14	17.00	100.00
MEAN WEIGHT	84.59	79.53	60.48	78.01
% SAMP. WT.	36.72	50.10	13.18	100.00

Table 9. Food and bait fishery sample summaries by section.

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 274,284,283,281,309,318,282,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: FEB 2/2000 - FEB 6/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	172	200	91	122	41	11	2	3	0	56	700
% AT AGE	0.31	26.71	31.06	14.13	18.94	6.37	1.71	0.31	0.47	0.00	0.00	100.00
LENGTH - MEAN(mm)	97.50	147.42	171.19	188.30	198.61	208.27	205.55	216.50	198.33	0.00	170.98	175.08
- STD. DEV.	3.54	11.07	12.81	12.05	12.29	7.78	20.54	9.19	41.74	0.00	29.93	24.97
WEIGHT - MEAN(gm)	10.00	41.20	68.39	93.88	113.62	134.00	133.73	151.50	116.67	0.00	75.34	78.61
- STD. DEV.	1.41	12.86	15.56	18.29	20.80	16.84	33.06	27.58	51.60	0.00	37.93	35.54

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	45	84	25	429	115	2	0	0	0
% AT STAGE	6.43	12.00	3.57	61.29	16.43	0.29	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	274	11	0	285
%	96.14	3.86	0.00	100.00
% SAMPLE WEIGHT	45.91	1.92	0.00	47.83

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	311	285	104	700
%	44.43	40.71	14.86	100.00
MEAN WEIGHT	83.91	89.43	33.10	78.61
% SAMP. WT.	47.43	46.32	6.26	100.00

Table 9. (cont'd) Food and bait fishery sample summaries by section.

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 11, 8, 2,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 14/1999 - NOV 21/1999

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	93	133	30	18	4	0	0	0	0	17	296
% AT AGE	0.36	33.33	47.67	10.75	6.45	1.43	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	158.00	155.92	167.39	181.50	191.67	190.25	0.00	0.00	0.00	0.00	169.47	167.09
- STD. DEV.	0.00	10.07	12.54	12.74	11.56	16.68	0.00	0.00	0.00	0.00	13.23	15.59
WEIGHT - MEAN(gm)	66.00	56.19	72.03	90.73	109.89	110.75	0.00	0.00	0.00	0.00	73.88	71.86
- STD. DEV.	0.00	14.78	16.11	21.15	19.04	30.57	0.00	0.00	0.00	0.00	21.70	22.51

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	8	29	162	97	0	0	0	0	0
% AT STAGE	2.70	9.80	54.73	32.77	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	131	0	0	131
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	10.09	0.00	0.00	10.09

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	155	131	7	293
%	52.90	44.71	2.39	100.00
MEAN WEIGHT	72.43	73.35	42.57	72.13
% SAMP. WT.	53.12	45.47	1.41	100.00

Table 9. (cont'd) Food and bait fishery sample summaries by section.

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 5, 7, 6, 4, 10, 9, 3, 1, 12,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 7/1999 - DEC 19/1999

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	158	403	139	72	20	8	0	0	0	100	900
% AT AGE	0.00	19.75	50.38	17.38	9.00	2.50	1.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	155.53	172.03	176.98	190.69	198.40	187.87	0.00	0.00	0.00	163.03	171.12
- STD. DEV.	0.00	14.17	10.92	15.58	13.39	13.38	17.12	0.00	0.00	0.00	17.96	16.94
WEIGHT - MEAN(gm)	0.00	54.80	74.18	82.45	103.68	118.25	94.38	0.00	0.00	0.00	63.97	74.44
- STD. DEV.	0.00	17.17	14.34	23.11	23.72	23.05	34.90	0.00	0.00	0.00	24.75	23.72

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	8	62	457	372	1	0	0	0	0
% AT STAGE	0.89	6.89	50.78	41.33	0.11	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	396	1	0	397
%	99.75	0.25	0.00	100.00
% SAMPLE WEIGHT	18.54	0.00	0.00	18.54

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	491	397	12	900
%	54.56	44.11	1.33	100.00
MEAN WEIGHT	73.04	77.45	32.08	74.44
% SAMP. WT.	53.53	45.89	0.57	100.00

Table 10. Seine roe fishery sample summaries by section

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 184,316,247,301,234,273,236,232,233,239, 226,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 15/2000 - MAR 16/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	141	32	652	98	61	4	7	2	85	1100
% AT AGE	0.00	1.77	13.89	3.15	64.24	9.66	6.01	0.39	0.69	0.20	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.83	181.82	192.31	199.63	205.60	211.62	217.00	218.43	224.00	195.65	197.76
- STD. DEV.	0.00	24.61	6.76	10.92	9.69	8.85	9.96	4.32	3.91	2.83	14.75	13.17
WEIGHT - MEAN(gm)	0.00	61.17	82.69	98.69	112.81	126.33	134.72	146.50	146.00	164.50	107.42	110.12
- STD. DEV.	0.00	11.72	10.50	17.25	18.66	18.18	23.13	4.43	15.37	24.75	25.87	23.71

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	8	787	295	10	0	0
% AT STAGE	0.00	0.00	0.00	0.73	71.55	26.82	0.91	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	489	0	497
%	1.61	98.39	0.00	100.00
% SAMPLE WEIGHT	0.57	38.43	0.00	39.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	603	497	0	1100
%	54.82	45.18	0.00	100.00
MEAN WEIGHT	105.56	115.66	0.00	110.12
% SAMP. WT.	52.55	47.45	0.00	100.00

Table 10. (cont'd) Seine roe fishery sample summaries by section

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 319,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 15/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	16	3	61	10	0	1	1	0	4	100
% AT AGE	0.00	4.17	16.67	3.13	63.54	10.42	0.00	1.04	1.04	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.00	181.37	192.67	200.56	211.20	0.00	221.00	226.00	0.00	198.25	197.18
- STD. DEV.	0.00	9.27	9.27	5.86	8.67	7.35	0.00	0.00	0.00	0.00	17.23	14.32
WEIGHT - MEAN(gm)	0.00	57.50	83.25	107.00	114.51	137.40	0.00	149.00	148.00	0.00	98.75	109.34
- STD. DEV.	0.00	11.47	14.19	13.53	19.14	16.06	0.00	0.00	0.00	0.00	15.54	25.33

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	1	67	31	0	0	0
% AT STAGE	0.00	0.00	1.00	1.00	67.00	31.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	44	0	45
%	2.22	97.78	0.00	100.00
% SAMPLE WEIGHT	0.39	36.15	0.00	36.54

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	55	45	0	100
%	55.00	45.00	0.00	100.00
MEAN WEIGHT	104.75	114.96	0.00	109.34
% SAMP. WT.	52.69	47.31	0.00	100.00

Table 10. (cont'd) Seine roe fishery sample summaries by section

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 209,215,218,206,212,204,210,193,202,208,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 27/2000 - MAR 28/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	196	69	375	133	123	22	5	5	59	1000
% AT AGE	0.00	1.38	20.83	7.33	39.85	14.13	13.07	2.34	0.53	0.53	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.00	177.60	183.46	196.69	199.35	201.45	207.95	210.40	222.00	190.88	192.62
- STD. DEV.	0.00	10.80	11.05	10.03	10.16	9.18	11.92	11.54	6.62	12.79	14.45	14.51
WEIGHT - MEAN(gm)	0.00	55.92	80.45	87.04	109.65	114.17	119.93	134.45	128.20	156.00	99.19	103.79
- STD. DEV.	0.00	14.33	17.94	16.72	19.89	20.42	22.04	23.98	17.08	18.28	23.62	25.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	13	765	163	59	0	0
% AT STAGE	0.00	0.00	0.00	1.30	76.50	16.30	5.90	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	507	9	517
%	0.19	98.07	1.74	100.00
% SAMPLE WEIGHT	0.02	41.74	0.00	41.76

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	483	517	0	1000
%	48.30	51.70	0.00	100.00
MEAN WEIGHT	97.87	109.31	0.00	103.79
% SAMP. WT.	45.55	54.45	0.00	100.00

Table 10. (cont'd) Seine roe fishery sample summaries by section

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 213,214,216,196,207,197,200,199,194,211, 205,217,203,191,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 17/2000 - MAR 19/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	231	123	428	376	85	18	13	20	103	1398
% AT AGE	0.00	0.08	17.84	9.50	33.05	29.03	6.56	1.39	1.00	1.54	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.00	174.73	180.53	196.52	201.97	207.24	210.94	217.69	224.35	191.48	194.01
- STD. DEV.	0.00	0.00	11.17	11.43	11.46	11.22	10.46	10.13	10.94	15.17	18.17	16.51
WEIGHT - MEAN(gm)	0.00	56.00	77.74	85.39	117.48	129.86	144.22	146.67	157.77	173.90	110.02	114.01
- STD. DEV.	0.00	0.00	18.60	20.35	24.05	23.88	23.12	22.18	25.50	31.67	33.35	32.63

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	28	1138	225	7	0	0
% AT STAGE	0.00	0.00	0.00	2.00	81.40	16.09	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	16	773	2	791
%	2.02	97.72	0.25	100.00
% SAMPLE WEIGHT	0.60	34.81	0.00	35.41

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	607	791	0	1398
%	43.42	56.58	0.00	100.00
MEAN WEIGHT	104.35	121.42	0.00	114.01
% SAMP. WT.	39.74	60.26	0.00	100.00

Table 10. (cont'd) Seine roe fishery sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 222,229,313,231,225,237,228,310,230,235, 219,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/2000 - MAR 3/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	43	317	205	284	135	38	4	5	1	68	1100
% AT AGE	0.00	4.17	30.72	19.86	27.52	13.08	3.68	0.39	0.48	0.10	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.07	176.46	193.08	198.09	208.15	214.18	213.75	220.60	224.00	186.31	190.68
- STD. DEV.	0.00	10.86	10.65	11.33	10.20	9.13	11.19	2.99	17.37	0.00	19.45	17.36
WEIGHT - MEAN(gm)	0.00	55.53	76.15	103.95	114.15	133.52	146.58	145.00	157.80	163.00	96.46	101.76
- STD. DEV.	0.00	13.66	14.90	20.01	20.28	24.46	24.73	15.19	36.29	0.00	35.29	30.97

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	5	0	21	873	187	12	0	0
% AT STAGE	0.18	0.45	0.00	1.91	79.36	17.00	1.09	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	16	517	2	535
%	2.99	96.64	0.37	100.00
% SAMPLE WEIGHT	0.96	41.01	0.00	41.97

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	563	535	2	1100
%	51.18	48.64	0.18	100.00
MEAN WEIGHT	96.82	107.25	28.50	101.76
% SAMP. WT.	48.69	51.26	0.05	100.00

Table 10. (cont'd) Seine roe fishery sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 289,245,297,285,305,286,303,292,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2000 - MAR 9/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	51	185	156	132	159	22	4	1	1	89	800
% AT AGE	0.00	7.17	26.02	21.94	18.57	22.36	3.09	0.56	0.14	0.14	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.92	177.59	191.11	201.88	210.94	214.14	221.50	225.00	238.00	187.27	192.17
- STD. DEV.	0.00	11.15	10.76	11.67	11.11	9.56	13.29	5.20	0.00	0.00	22.53	19.64
WEIGHT - MEAN(gm)	0.00	59.35	82.45	106.41	125.07	144.06	151.86	153.75	173.00	185.00	102.12	109.62
- STD. DEV.	0.00	14.13	16.48	20.96	22.03	21.93	26.03	24.54	0.00	0.00	38.20	34.68

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	1	15	590	186	7	0	0
% AT STAGE	0.00	0.13	0.13	1.88	73.75	23.25	0.88	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	355	0	364
%	2.47	97.53	0.00	100.00
% SAMPLE WEIGHT	0.98	37.26	0.00	38.24

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	436	364	0	800
%	54.50	45.50	0.00	100.00
MEAN WEIGHT	103.14	117.38	0.00	109.62
% SAMP. WT.	51.28	48.72	0.00	100.00

Table 11. Gillnet roe fishery sample summaries by section

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 221,224,223,227,238,240,242,220,241,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 29/2000 - APR 1/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	2	17	188	166	342	76	9	13	87	900
% AT AGE	0.00	0.00	0.25	2.09	23.12	20.42	42.07	9.35	1.11	1.60	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	206.50	205.35	207.90	208.66	210.31	213.95	214.56	225.92	211.06	210.05
- STD. DEV.	0.00	0.00	9.19	6.62	8.90	8.39	8.29	8.36	10.62	8.05	9.80	8.96
WEIGHT - MEAN(gm)	0.00	0.00	124.50	124.47	129.89	132.36	134.98	138.97	138.78	154.62	136.02	133.97
- STD. DEV.	0.00	0.00	6.36	12.35	14.71	15.06	16.78	17.09	10.59	18.65	18.52	16.56

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	671	219	8	0	0
% AT STAGE	0.00	0.00	0.00	0.22	74.56	24.33	0.89	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	498	2	500
%	0.00	99.60	0.40	100.00
% SAMPLE WEIGHT	0.00	33.47	0.00	33.47

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	400	500	0	900
%	44.44	55.56	0.00	100.00
MEAN WEIGHT	130.54	136.71	0.00	133.97
% SAMP. WT.	43.31	56.69	0.00	100.00

Table 11. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 308,299,291,306,300,298,295,296,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 28/2000 - MAR 30/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	4	14	278	285	71	11	6	18	113	800
% AT AGE	0.00	0.00	0.58	2.04	40.47	41.48	10.33	1.60	0.87	2.62	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	199.00	197.79	201.83	205.09	206.35	212.27	212.00	219.78	203.53	204.17
- STD. DEV.	0.00	0.00	12.88	8.69	7.79	7.14	8.82	6.34	6.96	9.77	7.71	8.34
WEIGHT - MEAN(gm)	0.00	0.00	119.25	124.79	129.42	133.74	137.23	138.91	140.67	162.00	130.14	132.57
- STD. DEV.	0.00	0.00	4.99	11.69	13.02	15.13	18.93	12.70	18.24	23.97	14.70	15.80

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	663	132	4	0	0
% AT STAGE	0.00	0.00	0.00	0.13	82.88	16.50	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	535	2	537
%	0.00	99.63	0.37	100.00
% SAMPLE WEIGHT	0.00	33.45	0.00	33.45

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	263	537	0	800
%	32.88	67.13	0.00	100.00
MEAN WEIGHT	127.38	135.12	0.00	132.57
% SAMP. WT.	31.59	68.41	0.00	100.00

Table 11. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 288,246,249,294,293,304,248,244,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 4/2000 - MAR 6/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	7	101	301	196	59	15	1	0	120	800
% AT AGE	0.00	0.00	1.03	14.85	44.26	28.82	8.68	2.21	0.15	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	192.86	203.29	206.65	210.21	213.83	220.13	229.00	0.00	208.66	208.09
- STD. DEV.	0.00	0.00	6.79	6.28	6.93	7.33	7.56	8.51	0.00	0.00	8.32	8.06
WEIGHT - MEAN(gm)	0.00	0.00	107.71	126.70	132.17	139.54	146.76	151.73	151.00	0.00	135.87	135.09
- STD. DEV.	0.00	0.00	15.57	11.77	13.05	14.80	16.53	23.17	0.00	0.00	13.83	15.28

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	684	104	10	1	0
% AT STAGE	0.00	0.00	0.00	0.13	85.50	13.00	1.25	0.13	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	472	4	476
%	0.00	99.16	0.84	100.00
% SAMPLE WEIGHT	0.00	31.53	0.00	31.53

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	324	476	0	800
%	40.50	59.50	0.00	100.00
MEAN WEIGHT	132.41	136.92	0.00	135.09
% SAMP. WT.	39.70	60.30	0.00	100.00

Table 11. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 317,314,290,243,311,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 5/2000 - MAR 6/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	5	60	187	113	40	9	3	0	83	500
% AT AGE	0.00	0.00	1.20	14.39	44.84	27.10	9.59	2.16	0.72	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	199.00	201.30	205.72	209.65	216.27	218.44	219.67	0.00	208.14	207.57
- STD. DEV.	0.00	0.00	5.39	6.51	6.77	7.69	6.36	5.75	2.52	0.00	7.43	8.09
WEIGHT - MEAN(gm)	0.00	0.00	115.00	123.98	130.57	135.19	147.70	151.89	150.00	0.00	131.81	132.75
- STD. DEV.	0.00	0.00	7.00	11.02	13.34	14.90	17.71	21.46	38.97	0.00	13.16	15.47

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	0	415	78	6	0	0
% AT STAGE	0.00	0.00	0.20	0.00	83.00	15.60	1.20	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	269	3	272
%	0.00	98.90	1.10	100.00
% SAMPLE WEIGHT	0.00	33.08	0.00	33.08

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	228	272	0	500
%	45.60	54.40	0.00	100.00
MEAN WEIGHT	131.09	134.14	0.00	132.75
% SAMP. WT.	45.03	54.97	0.00	100.00

Table 11. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 136,138,268,302,171,287,307,172,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 21/2000 - MAR 23/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	8	49	169	330	39	16	14	2	152	779
% AT AGE	0.00	0.00	1.28	7.81	26.95	52.63	6.22	2.55	2.23	0.32	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	198.25	207.18	209.91	213.94	215.95	222.94	221.00	230.50	211.89	212.54
- STD. DEV.	0.00	0.00	15.50	8.82	7.26	7.48	8.03	7.51	8.67	4.95	8.78	8.60
WEIGHT - MEAN(gm)	0.00	0.00	122.62	135.96	141.15	147.42	152.18	154.87	155.93	183.50	142.21	144.70
- STD. DEV.	0.00	0.00	29.38	16.61	15.38	16.63	20.10	17.86	22.36	0.71	18.23	17.88

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	515	247	15	0	0
% AT STAGE	0.00	0.00	0.00	0.26	66.11	31.71	1.93	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	414	6	420
%	0.00	98.57	1.43	100.00
% SAMPLE WEIGHT	0.00	28.42	0.00	28.42

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	359	420	0	779
%	46.08	53.92	0.00	100.00
MEAN WEIGHT	138.57	149.95	0.00	144.70
% SAMP. WT.	44.13	55.87	0.00	100.00

Table 12. Spawn on kelp seine sample summaries by section

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 198,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: JAN 4/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	25	10	37	15	6	0	0	1	3	100
% AT AGE	0.00	3.09	25.77	10.31	38.14	15.46	6.19	0.00	0.00	1.03	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.33	172.72	184.70	195.84	195.13	204.67	0.00	0.00	223.00	186.00	188.16
- STD. DEV.	0.00	4.73	8.60	12.25	9.82	9.28	4.13	0.00	0.00	0.00	17.44	15.39
WEIGHT - MEAN(gm)	0.00	51.33	70.80	88.70	105.76	100.47	118.33	0.00	0.00	125.00	92.33	93.43
- STD. DEV.	0.00	4.04	12.12	17.54	18.37	18.40	17.94	0.00	0.00	0.00	22.14	23.62

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	88	5	5	0	0
% AT STAGE	0.00	0.00	0.00	2.00	88.00	5.00	5.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	56	1	57
%	0.00	98.25	1.75	100.00
% SAMPLE WEIGHT	0.00	48.12	0.00	48.12

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	43	57	0	100
%	43.00	57.00	0.00	100.00
MEAN WEIGHT	87.28	98.07	0.00	93.43
% SAMP. WT.	40.17	59.83	0.00	100.00

Table 12. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 102 - TAKUSH HARBOUR
SAMPLE NUMBERS: 159,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 29/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	10	19	26	26	8	1	1	1	8	100
% AT AGE	0.00	0.00	10.87	20.65	28.26	28.26	8.70	1.09	1.09	1.09	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	171.30	170.11	177.54	181.04	180.37	185.00	194.00	190.00	176.62	176.93
- STD. DEV.	0.00	0.00	14.53	9.92	14.54	11.57	10.18	0.00	0.00	0.00	13.57	12.94
WEIGHT - MEAN(gm)	0.00	0.00	71.40	68.47	83.31	87.15	82.50	73.00	98.00	113.00	83.13	80.56
- STD. DEV.	0.00	0.00	19.91	14.92	26.73	23.06	19.05	0.00	0.00	0.00	22.15	22.73

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	64	36	0	0	0
% AT STAGE	0.00	0.00	0.00	0.00	64.00	36.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	53	0	53
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	55.01	0.00	55.01

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	47	53	0	100
%	47.00	53.00	0.00	100.00
MEAN WEIGHT	74.32	86.09	0.00	80.56
% SAMP. WT.	43.36	56.64	0.00	100.00

Table 12. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 46,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: FEB 29/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	20	18	14	30	7	2	0	0	7	100
% AT AGE	0.00	2.15	21.51	19.35	15.05	32.26	7.53	2.15	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	173.00	183.20	191.72	205.07	210.00	210.29	211.50	0.00	0.00	202.00	199.41
- STD. DEV.	0.00	2.83	8.82	11.64	9.04	7.04	7.68	4.95	0.00	0.00	15.07	14.47
WEIGHT - MEAN(gm)	0.00	81.00	94.60	105.56	130.50	145.90	147.00	138.00	0.00	0.00	125.86	123.44
- STD. DEV.	0.00	4.24	16.71	19.74	17.01	17.56	12.41	7.07	0.00	0.00	33.34	28.15

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	80	20	0	0	0
% AT STAGE	0.00	0.00	0.00	0.00	80.00	20.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	50	0	50
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	34.39	0.00	34.39

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	50	50	0	100
%	50.00	50.00	0.00	100.00
MEAN WEIGHT	117.20	129.68	0.00	123.44
% SAMP. WT.	47.47	52.53	0.00	100.00

Table 12. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 74, 14, 10, 3, 7,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: FEB 27/2000 - MAR 5/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	113	92	92	129	23	10	9	2	23	498
% AT AGE	0.00	1.05	23.79	19.37	19.37	27.16	4.84	2.11	1.89	0.42	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.40	183.06	191.95	203.59	212.16	215.43	218.50	222.78	233.50	199.65	199.72
- STD. DEV.	0.00	5.50	9.83	9.86	8.95	8.30	7.78	8.59	10.32	4.95	16.79	15.95
WEIGHT - MEAN(gm)	0.00	58.40	92.22	108.02	130.66	148.17	158.26	156.50	165.56	168.00	125.78	123.92
- STD. DEV.	0.00	8.26	16.68	19.46	17.26	19.77	18.08	16.83	24.20	32.53	31.26	30.94

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	0	38	366	91	1	0	0
% AT STAGE	0.00	0.40	0.00	7.63	73.49	18.27	0.20	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	17	229	0	246
%	6.91	93.09	0.00	100.00
% SAMPLE WEIGHT	2.55	30.30	0.00	32.85

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	252	246	0	498
%	50.60	49.40	0.00	100.00
MEAN WEIGHT	118.88	129.08	0.00	123.92
% SAMP. WT.	48.54	51.46	0.00	100.00

Table 12. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 152,131,140,
SOURCE: OTHER
GEAR: HERRING SEINE
DATE: MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	154	68	25	14	4	1	3	0	25	300
% AT AGE	0.00	2.18	56.00	24.73	9.09	5.09	1.45	0.36	1.09	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	178.12	183.85	192.88	198.79	205.00	214.00	220.33	0.00	177.00	181.99
- STD. DEV.	0.00	5.17	8.13	10.63	10.16	11.02	15.08	0.00	8.08	0.00	13.26	12.73
WEIGHT - MEAN(gm)	0.00	44.00	69.55	78.18	92.20	107.86	97.75	150.00	134.33	0.00	75.64	76.47
- STD. DEV.	0.00	5.93	14.26	18.79	20.85	25.52	17.61	0.00	22.14	0.00	19.83	21.36

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	181	11	108	0	0
% AT STAGE	0.00	0.00	0.00	0.00	60.33	3.67	36.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	163	40	203
%	0.00	80.30	19.70	100.00
% SAMPLE WEIGHT	0.00	41.30	0.00	41.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	97	203	0	300
%	32.33	67.67	0.00	100.00
MEAN WEIGHT	65.27	81.82	0.00	76.47
% SAMP. WT.	27.60	72.40	0.00	100.00

Table 13. Test fishing sample summaries by section

SECTION: 3 - RENNELL SOUND
SAMPLE NUMBERS: 180,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 25/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	56	16	0	2	0	1	0	0	12	100
% AT AGE	0.00	14.77	63.64	18.18	0.00	2.27	0.00	1.14	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.54	178.54	181.50	0.00	227.00	0.00	202.00	0.00	0.00	177.17	178.75
- STD. DEV.	0.00	7.69	6.98	13.05	0.00	0.00	0.00	0.00	0.00	0.00	9.99	11.78
WEIGHT - MEAN(gm)	0.00	69.31	83.02	88.13	0.00	204.50	0.00	111.00	0.00	0.00	82.92	84.75
- STD. DEV.	0.00	11.78	12.29	26.50	0.00	27.58	0.00	0.00	0.00	0.00	15.69	23.96

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	2	2	85	4	7	0	0
% AT STAGE	0.00	0.00	2.00	2.00	85.00	4.00	7.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	23	0	26
%	11.54	88.46	0.00	100.00
% SAMPLE WEIGHT	2.67	41.91	0.00	44.58

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	74	26	0	100
%	74.00	26.00	0.00	100.00
MEAN WEIGHT	84.22	86.27	0.00	84.75
% SAMP. WT.	73.53	26.47	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 186,137,132,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/2000 - MAR 22/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	30	83	16	137	10	10	1	1	0	12	300
% AT AGE	0.00	10.42	28.82	5.56	47.57	3.47	3.47	0.35	0.35	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.70	176.73	181.12	194.86	205.30	208.80	219.00	208.00	0.00	178.00	186.16
- STD. DEV.	0.00	7.63	7.07	15.47	8.01	8.01	7.16	0.00	0.00	0.00	17.01	15.10
WEIGHT - MEAN(gm)	0.00	57.80	75.30	87.69	107.80	126.40	132.60	142.00	141.00	0.00	76.92	93.17
- STD. DEV.	0.00	10.43	11.07	24.70	17.79	10.21	15.11	0.00	0.00	0.00	21.62	25.98

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	230	59	11	0	0
% AT STAGE	0.00	0.00	0.00	0.00	76.67	19.67	3.67	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	132	3	135
%	0.00	97.78	2.22	100.00
% SAMPLE WEIGHT	0.00	46.12	0.00	46.12

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	165	135	0	300
%	55.00	45.00	0.00	100.00
MEAN WEIGHT	87.93	99.57	0.00	93.17
% SAMP. WT.	51.91	48.09	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 24 - SELWYN INLET
SAMPLE NUMBERS: 156,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 30/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	27	4	46	2	4	0	0	0	4	99
% AT AGE	0.00	12.63	28.42	4.21	48.42	2.11	4.21	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.92	180.15	183.25	194.15	207.00	211.25	0.00	0.00	0.00	185.50	186.46
- STD. DEV.	0.00	5.16	9.75	13.18	9.05	18.38	10.81	0.00	0.00	0.00	25.53	15.84
WEIGHT - MEAN(gm)	0.00	55.92	82.67	88.50	107.00	125.50	139.50	0.00	0.00	0.00	97.75	94.74
- STD. DEV.	0.00	7.33	15.56	20.98	17.76	38.89	13.58	0.00	0.00	0.00	38.84	26.35

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	84	10	4	0	0
% AT STAGE	0.00	0.00	0.00	1.01	84.85	10.10	4.04	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	44	0	45
%	2.22	97.78	0.00	100.00
% SAMPLE WEIGHT	0.63	34.39	0.00	35.02

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	45	0	99
%	54.55	45.45	0.00	100.00
MEAN WEIGHT	85.37	105.98	0.00	94.74
% SAMP. WT.	49.15	50.85	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 164,134,158,135,157,151,154,139,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2000 - MAR 13/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	122	150	32	382	52	26	3	1	2	30	800
% AT AGE	0.00	15.84	19.48	4.16	49.61	6.75	3.38	0.39	0.13	0.26	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.73	181.72	186.44	201.57	207.56	210.69	219.67	196.00	227.00	190.00	192.00
- STD. DEV.	0.00	9.85	10.03	21.67	9.51	9.33	13.69	10.69	0.00	2.83	20.55	18.27
WEIGHT - MEAN(gm)	0.00	54.53	83.12	97.50	119.75	131.67	133.42	140.67	117.00	159.00	102.27	102.79
- STD. DEV.	0.00	13.20	18.53	26.50	19.63	21.43	26.28	21.13	0.00	21.21	38.48	32.76

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	8	8	460	217	97	10	0
% AT STAGE	0.00	0.00	1.00	1.00	57.50	27.13	12.13	1.25	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	6	348	20	374
%	1.60	93.05	5.35	100.00
% SAMPLE WEIGHT	0.26	36.25	0.00	36.51

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	426	374	0	800
%	53.25	46.75	0.00	100.00
MEAN WEIGHT	92.99	113.94	0.00	102.79
% SAMP. WT.	48.17	51.83	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 33 - PORT SIMPSON
SAMPLE NUMBERS: 266,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 20/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	11	9	23	17	31	5	1	1	2	100
% AT AGE	0.00	0.00	11.22	9.18	23.47	17.35	31.63	5.10	1.02	1.02	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	170.27	184.11	196.09	201.88	202.81	209.40	215.00	216.00	200.50	196.38
- STD. DEV.	0.00	0.00	11.80	7.69	9.26	8.92	11.47	7.40	0.00	0.00	4.95	14.73
WEIGHT - MEAN(gm)	0.00	0.00	67.18	85.11	108.35	116.41	120.52	125.20	130.00	175.00	105.50	108.54
- STD. DEV.	0.00	0.00	14.20	16.68	21.27	23.53	25.73	19.97	0.00	0.00	13.44	28.47

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	94	3	0	0	0
% AT STAGE	0.00	0.00	0.00	3.00	94.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	46	0	46
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	41.74	0.00	41.74

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	46	0	100
%	54.00	46.00	0.00	100.00
MEAN WEIGHT	102.94	115.11	0.00	108.54
% SAMP. WT.	51.22	48.78	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 269,264,272,262,255,251,258,277,267,265,
250,275,257,263,261,253,270,260,278,252,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2000 - MAR 29/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	42	572	206	416	209	397	49	14	7	88	2000
% AT AGE	0.00	2.20	29.92	10.77	21.76	10.93	20.76	2.56	0.73	0.37	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.02	168.24	181.20	190.76	195.14	199.77	205.06	208.00	215.29	188.60	185.10
- STD. DEV.	0.00	13.43	11.38	11.61	11.43	9.81	10.76	12.72	14.46	7.80	19.85	18.14
WEIGHT - MEAN(gm)	0.00	37.93	63.40	81.06	96.94	103.94	114.95	126.04	123.86	134.86	96.16	89.78
- STD. DEV.	0.00	13.60	15.19	18.35	22.60	20.75	23.34	28.30	30.33	11.65	33.32	30.12

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	24	12	547	1208	197	4	0	5
% AT STAGE	0.15	1.20	0.60	27.35	60.40	9.85	0.20	0.00	0.25

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	353	607	2	962
%	36.69	63.10	0.21	100.00
% SAMPLE WEIGHT	16.13	30.28	0.00	46.41

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1027	962	11	2000
%	51.35	48.10	0.55	100.00
MEAN WEIGHT	86.72	93.71	31.18	89.78
% SAMP. WT.	49.60	50.21	0.19	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 43 - AREA 4 SOUTH
SAMPLE NUMBERS: 276,259,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: APR 1/2000 - APR 2/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	95	21	30	18	24	2	0	1	4	200
% AT AGE	0.00	2.55	48.47	10.71	15.31	9.18	12.24	1.02	0.00	0.51	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.40	170.01	183.24	188.13	189.78	198.25	189.50	0.00	221.00	185.25	179.62
- STD. DEV.	0.00	10.74	12.72	13.65	12.81	13.06	11.47	9.19	0.00	0.00	17.73	17.07
WEIGHT - MEAN(gm)	0.00	46.60	69.59	93.81	95.17	99.61	111.92	106.00	0.00	154.00	90.25	84.38
- STD. DEV.	0.00	14.40	19.98	23.95	19.85	24.42	20.88	26.87	0.00	0.00	25.02	27.05

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	10	183	6	0	0	0
% AT STAGE	0.50	0.00	0.00	5.00	91.50	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	4	107	0	111
%	3.60	96.40	0.00	100.00
% SAMPLE WEIGHT	1.64	53.39	0.00	55.04

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	89	111	0	200
%	44.50	55.50	0.00	100.00
MEAN WEIGHT	80.18	87.74	0.00	84.38
% SAMP. WT.	42.29	57.71	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 187,195,188,182,185,173,176,183,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 19/2000 - APR 1/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	216	67	257	116	76	13	2	3	36	800
% AT AGE	0.00	1.83	28.27	8.77	33.64	15.18	9.95	1.70	0.26	0.39	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.71	174.26	183.27	193.07	197.22	203.62	205.38	219.00	213.67	181.69	188.07
- STD. DEV.	0.00	7.98	10.23	12.55	9.71	9.65	10.35	6.46	4.24	2.08	19.18	15.24
WEIGHT - MEAN(gm)	0.00	62.21	75.66	91.82	107.08	113.73	128.50	137.46	138.00	146.00	92.25	99.58
- STD. DEV.	0.00	11.72	16.49	21.78	20.23	20.79	24.23	18.21	1.41	13.89	27.28	27.38

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	27	611	145	16	0	0
% AT STAGE	0.00	0.13	0.00	3.38	76.38	18.13	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	399	3	426
%	5.63	93.66	0.70	100.00
% SAMPLE WEIGHT	2.69	42.68	0.00	45.36

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	374	426	0	800
%	46.75	53.25	0.00	100.00
MEAN WEIGHT	93.66	104.79	0.00	99.58
% SAMP. WT.	43.97	56.03	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 67 - KITASU BAY
SAMPLE NUMBERS: 174,181,149,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2000 - MAR 21/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	44	26	127	72	14	4	0	1	11	299
% AT AGE	0.00	0.00	15.28	9.03	44.10	25.00	4.86	1.39	0.00	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	176.98	184.46	189.36	196.33	198.07	202.25	0.00	232.00	190.45	189.56
- STD. DEV.	0.00	0.00	8.81	10.85	10.03	10.39	10.36	8.96	0.00	0.00	8.37	12.07
WEIGHT - MEAN(gm)	0.00	0.00	78.27	86.81	97.50	109.68	116.07	122.50	0.00	154.00	94.73	97.97
- STD. DEV.	0.00	0.00	13.16	19.27	18.41	19.36	20.80	13.40	0.00	0.00	6.97	21.14

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	16	213	69	0	0	0
% AT STAGE	0.00	0.00	0.33	5.35	71.24	23.08	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	148	0	157
%	5.73	94.27	0.00	100.00
% SAMPLE WEIGHT	1.50	41.94	0.00	43.43

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	142	157	0	299
%	47.49	52.51	0.00	100.00
MEAN WEIGHT	93.27	102.22	0.00	97.97
% SAMP. WT.	45.21	54.79	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 165,166,142, 84, 62,161,169,190,163,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 12/2000 - MAR 19/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	153	108	274	241	53	14	14	8	32	900
% AT AGE	0.00	0.35	17.63	12.44	31.57	27.76	6.11	1.61	1.61	0.92	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.67	176.71	180.11	195.43	202.89	206.58	210.86	222.29	225.50	191.59	193.73
- STD. DEV.	0.00	7.23	13.57	12.41	12.50	11.79	12.57	12.66	11.36	4.44	13.90	17.03
WEIGHT - MEAN(gm)	0.00	60.33	83.44	89.13	119.33	134.63	142.62	152.64	170.07	172.25	111.06	116.36
- STD. DEV.	0.00	9.71	23.73	21.54	25.32	26.54	25.14	25.29	24.48	16.63	27.61	33.57

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	2	781	112	4	0	0
% AT STAGE	0.00	0.11	0.00	0.22	86.78	12.44	0.44	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	500	1	503
%	0.40	99.40	0.20	100.00
% SAMPLE WEIGHT	0.05	37.02	0.00	37.07

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	396	503	1	900
%	44.00	55.89	0.11	100.00
MEAN WEIGHT	107.19	123.73	42.00	116.36
% SAMP. WT.	40.53	59.43	0.04	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 73 - BELLA BELLA
SAMPLE NUMBERS: 178,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	32	11	24	22	3	1	0	0	4	100
% AT AGE	0.00	3.13	33.33	11.46	25.00	22.92	3.13	1.04	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	167.41	175.64	190.75	196.68	197.00	196.00	0.00	0.00	175.75	181.76
- STD. DEV.	0.00	6.93	10.32	9.12	11.01	13.94	11.27	0.00	0.00	0.00	13.00	16.73
WEIGHT - MEAN(gm)	0.00	55.33	65.78	78.45	105.58	118.41	120.67	118.00	0.00	0.00	77.00	90.61
- STD. DEV.	0.00	2.31	14.04	15.14	23.13	27.06	24.34	0.00	0.00	0.00	20.31	30.18

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	0	60	37	2	0	0
% AT STAGE	0.00	1.00	0.00	0.00	60.00	37.00	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	49	0	50
%	2.00	98.00	0.00	100.00
% SAMPLE WEIGHT	0.00	48.15	0.00	48.15

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	50	50	0	100
%	50.00	50.00	0.00	100.00
MEAN WEIGHT	92.34	88.88	0.00	90.61
% SAMP. WT.	50.95	49.05	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 74 - THOMPSON BAY
SAMPLE NUMBERS: 111, 81,153,150,201, 83,175,189,179,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2000 - MAR 21/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	191	87	285	217	55	10	10	9	34	900
% AT AGE	0.00	0.23	22.06	10.05	32.91	25.06	6.35	1.15	1.15	1.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.00	174.65	183.21	196.38	203.22	205.33	212.50	222.80	228.22	191.35	193.19
- STD. DEV.	0.00	9.90	11.77	10.58	10.24	9.65	10.97	10.45	13.03	9.02	15.52	16.26
WEIGHT - MEAN(gm)	0.00	48.00	80.18	91.90	115.63	132.00	137.49	147.80	163.50	173.11	107.74	112.11
- STD. DEV.	0.00	5.66	16.11	18.58	20.39	20.91	22.14	24.07	29.04	18.56	30.04	29.83

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	96	638	164	0	1	0
% AT STAGE	0.11	0.00	0.00	10.67	70.89	18.22	0.00	0.11	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	63	410	0	473
%	13.32	86.68	0.00	100.00
% SAMPLE WEIGHT	5.24	32.27	0.00	37.51

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	426	473	1	900
%	47.33	52.56	0.11	100.00
MEAN WEIGHT	106.17	117.46	114.00	112.11
% SAMP. WT.	44.82	55.06	0.11	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 167,155,162,192,170,177,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/2000 - MAR 22/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	56	59	296	141	27	3	1	1	16	600
% AT AGE	0.00	0.00	9.59	10.10	50.68	24.14	4.62	0.51	0.17	0.17	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	177.09	184.41	191.41	193.62	197.59	189.33	200.00	199.00	195.06	190.30
- STD. DEV.	0.00	0.00	10.93	10.75	8.88	9.58	8.02	14.57	0.00	0.00	6.84	10.65
WEIGHT - MEAN(gm)	0.00	0.00	77.96	91.29	104.16	108.94	122.81	113.00	115.00	108.00	111.62	102.68
- STD. DEV.	0.00	0.00	15.56	20.69	19.41	19.52	19.12	27.22	0.00	0.00	16.91	21.57

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	74	450	75	0	0	0
% AT STAGE	0.17	0.00	0.00	12.33	75.00	12.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	64	250	0	314
%	20.38	79.62	0.00	100.00
% SAMPLE WEIGHT	8.60	32.56	0.00	41.16

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	285	314	1	600
%	47.50	52.33	0.17	100.00
MEAN WEIGHT	98.24	106.61	134.00	102.68
% SAMP. WT.	45.44	54.34	0.22	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 78 - DON PENINSULA
SAMPLE NUMBERS: 168, 66,147,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2000 - MAR 17/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	74	42	80	70	17	3	4	3	2	300
% AT AGE	0.00	1.68	24.83	14.09	26.85	23.49	5.70	1.01	1.34	1.01	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.00	170.43	178.64	195.52	200.66	204.94	214.33	221.00	223.67	187.50	188.77
- STD. DEV.	0.00	12.96	12.85	9.65	12.80	11.41	11.42	13.20	8.76	9.71	27.58	18.75
WEIGHT - MEAN(gm)	0.00	50.20	73.09	84.26	116.91	129.51	137.82	145.33	179.25	193.00	106.00	106.35
- STD. DEV.	0.00	18.59	19.14	19.59	24.77	24.54	28.45	18.48	21.08	9.54	53.74	35.73

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	0	29	212	54	3	0	0
% AT STAGE	0.00	0.67	0.00	9.67	70.67	18.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	29	133	3	165
%	17.58	80.61	1.82	100.00
% SAMPLE WEIGHT	8.71	33.61	0.00	42.32

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	134	165	1	300
%	44.67	55.00	0.33	100.00
MEAN WEIGHT	98.07	113.41	50.00	106.35
% SAMP. WT.	41.19	58.65	0.16	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 85 - KWAKSHUA CHANNEL
SAMPLE NUMBERS: 82, 64,116,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2000 - MAR 21/2000

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	99	40	70	58	13	1	0	0	17	300
% AT AGE	0.00	0.71	34.98	14.13	24.73	20.49	4.59	0.35	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	148.00	170.74	177.05	185.26	189.67	193.92	205.00	0.00	0.00	177.00	179.95
- STD. DEV.	0.00	5.66	9.48	12.32	10.52	11.78	14.56	0.00	0.00	0.00	15.32	13.94
WEIGHT - MEAN(gm)	0.00	36.50	73.12	82.18	94.70	104.98	113.08	137.00	0.00	0.00	82.24	87.74
- STD. DEV.	0.00	2.12	13.90	19.56	23.24	27.05	26.15	0.00	0.00	0.00	22.18	25.11

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	17	190	87	2	0	0
% AT STAGE	0.00	1.33	0.00	5.67	63.33	29.00	0.67	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	138	1	153
%	9.15	90.20	0.65	100.00
% SAMPLE WEIGHT	3.25	44.79	0.00	48.04

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	143	153	4	300
%	47.67	51.00	1.33	100.00
MEAN WEIGHT	84.12	92.38	39.75	87.74
% SAMP. WT.	45.70	53.70	0.60	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 56, 42,141, 44, 96,312, 79, 52, 2, 45,
76, 31, 97,145,105,108, 55, 40, 99, 48,
109,100, 34, 49, 9, 11, 12,148, 98, 39,
110, 36, 94,103,254,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2000 - MAR 4/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	3	305	1239	663	762	265	58	12	8	0	181	3496
% AT AGE	0.09	9.20	37.38	20.00	22.99	7.99	1.75	0.36	0.24	0.00	0.00	100.00
LENGTH - MEAN(mm)	114.00	158.11	173.17	188.45	195.87	206.26	211.84	216.08	213.50	0.00	183.94	183.60
- STD. DEV.	17.52	10.32	10.86	13.24	11.27	10.43	10.36	11.00	20.66	0.00	20.31	18.42
WEIGHT - MEAN(gm)	18.33	52.58	72.36	97.31	111.36	131.74	144.07	156.08	148.50	0.00	91.59	90.97
- STD. DEV.	8.50	12.94	15.89	21.30	21.82	24.49	24.60	27.90	41.74	0.00	34.26	31.06

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	34	33	20	241	2402	632	132	1	1
% AT STAGE	0.97	0.94	0.57	6.89	68.71	18.08	3.78	0.03	0.03

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	182	1452	50	1684
%	10.81	86.22	2.97	100.00
% SAMPLE WEIGHT	4.04	39.36	0.00	43.39

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1759	1684	53	3496
%	50.31	48.17	1.52	100.00
MEAN WEIGHT	86.93	96.82	39.32	90.97
% SAMP. WT.	48.08	51.27	0.66	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 102, 53, 38, 57,104, 50,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 29/2000 - MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	81	178	107	143	49	10	0	0	0	32	600
% AT AGE	0.00	14.26	31.34	18.84	25.18	8.63	1.76	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.11	175.13	187.81	195.54	204.82	210.30	0.00	0.00	0.00	185.16	183.77
- STD. DEV.	0.00	11.93	10.73	15.20	10.98	10.56	6.22	0.00	0.00	0.00	20.08	18.30
WEIGHT - MEAN(gm)	0.00	54.28	70.87	94.20	104.69	123.29	129.70	0.00	0.00	0.00	94.44	87.37
- STD. DEV.	0.00	12.64	15.54	24.25	25.46	23.76	24.72	0.00	0.00	0.00	38.16	30.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	3	7	17	309	108	155	0	0
% AT STAGE	0.17	0.50	1.17	2.83	51.50	18.00	25.83	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	18	188	61	267
%	6.74	70.41	22.85	100.00
% SAMPLE WEIGHT	1.85	35.86	0.00	37.71

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	329	267	4	600
%	54.83	44.50	0.67	100.00
MEAN WEIGHT	83.24	93.16	40.00	87.37
% SAMP. WT.	52.24	47.45	0.31	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 152 - POWELL RIVER
SAMPLE NUMBERS: 1,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	46	21	3	1	0	0	0	0	0	0	29	100
% AT AGE	64.79	29.58	4.23	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	108.02	142.10	149.00	166.00	0.00	0.00	0.00	0.00	0.00	0.00	111.83	118.09
- STD. DEV.	5.70	11.79	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.07	17.31
WEIGHT - MEAN(gm)	16.43	36.29	41.67	66.00	0.00	0.00	0.00	0.00	0.00	0.00	21.10	23.21
- STD. DEV.	2.41	9.27	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.22	13.87

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	87	10	3	0	0	0	0	0	0
% AT STAGE	87.00	10.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	0	0	2
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	4	2	94	100
%	4.00	2.00	94.00	100.00
MEAN WEIGHT	37.50	48.50	22.06	23.21
% SAMP. WT.	6.46	4.18	89.36	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 75,144, 24, 32,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 8/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	45	154	67	61	35	12	0	1	0	25	400
% AT AGE	0.00	12.00	41.07	17.87	16.27	9.33	3.20	0.00	0.27	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.00	173.47	184.31	197.07	204.94	210.08	0.00	224.00	0.00	181.44	181.74
- STD. DEV.	0.00	9.43	12.22	15.54	14.24	12.66	10.32	0.00	0.00	0.00	19.12	19.33
WEIGHT - MEAN(gm)	0.00	52.64	70.76	87.64	105.84	119.94	128.83	0.00	187.00	0.00	83.20	84.01
- STD. DEV.	0.00	11.15	15.35	23.35	25.52	26.35	23.99	0.00	0.00	0.00	25.62	29.34

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	5	2	9	196	81	103	4	0
% AT STAGE	0.00	1.25	0.50	2.25	49.00	20.25	25.75	1.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	6	150	51	207
%	2.90	72.46	24.64	100.00
% SAMPLE WEIGHT	0.63	36.85	0.00	37.47

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	192	207	1	400
%	48.00	51.75	0.25	100.00
MEAN WEIGHT	83.35	84.83	42.00	84.01
% SAMP. WT.	47.62	52.25	0.12	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 123, 61, 58,114, 13, 35, 41, 33,115, 72, 112, 71, 59, 15,119,143, 78, 51,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/2000 - MAR 20/2000

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	265	726	281	262	115	25	3	0	0	123	1800
% AT AGE	0.00	15.80	43.29	16.76	15.62	6.86	1.49	0.18	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.74	170.96	182.70	193.30	202.73	210.40	220.33	0.00	0.00	169.26	176.50
- STD. DEV.	0.00	14.64	14.13	17.28	16.84	16.79	13.67	10.02	0.00	0.00	22.00	20.89
WEIGHT - MEAN(gm)	0.00	54.24	70.93	87.09	103.04	117.19	123.32	152.67	0.00	0.00	70.37	79.45
- STD. DEV.	0.00	16.06	18.18	24.74	25.87	28.59	22.32	14.05	0.00	0.00	28.47	28.68

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	3	43	1186	369	195	2	0
% AT STAGE	0.00	0.11	0.17	2.39	65.89	20.50	10.83	0.11	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	22	760	88	870
%	2.53	87.36	10.11	100.00
% SAMPLE WEIGHT	1.09	45.52	0.00	46.61

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	928	870	2	1800
%	51.56	48.33	0.11	100.00
MEAN WEIGHT	76.75	82.42	38.50	79.45
% SAMP. WT.	49.80	50.14	0.05	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 22,127, 30,121, 29,126,280,128,129, 26, 124, 27, 21,130, 25,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	137	317	326	241	353	40	13	7	0	66	1500
% AT AGE	0.00	9.55	22.11	22.73	16.81	24.62	2.79	0.91	0.49	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.61	178.28	190.39	200.99	208.55	211.82	219.38	221.14	0.00	198.55	192.32
- STD. DEV.	0.00	9.78	10.84	11.90	9.56	10.26	10.12	8.26	10.96	0.00	20.34	19.02
WEIGHT - MEAN(gm)	0.00	58.77	85.07	105.70	127.07	142.04	150.85	158.92	156.86	0.00	121.91	111.65
- STD. DEV.	0.00	15.74	17.84	21.51	21.85	22.93	21.52	14.23	24.38	0.00	36.42	34.73

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	5	60	1063	360	8	2	0
% AT STAGE	0.00	0.13	0.33	4.00	70.87	24.00	0.53	0.13	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	40	659	4	703
%	5.69	93.74	0.57	100.00
% SAMPLE WEIGHT	2.16	35.72	0.00	37.88

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	795	703	2	1500
%	53.00	46.87	0.13	100.00
MEAN WEIGHT	105.61	118.67	51.00	111.65
% SAMP. WT.	50.13	49.81	0.06	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 233 - IMPERIAL EAGLE CH.
SAMPLE NUMBERS: 122, 23,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 29/2000 - MAR 1/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	29	68	42	21	32	2	0	0	0	6	200
% AT AGE	0.00	14.95	35.05	21.65	10.82	16.49	1.03	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.62	175.87	190.95	198.00	212.16	220.00	0.00	0.00	0.00	193.50	185.78
- STD. DEV.	0.00	8.31	12.76	11.09	12.79	6.93	8.49	0.00	0.00	0.00	21.06	20.14
WEIGHT - MEAN(gm)	0.00	58.45	80.85	107.52	120.48	144.31	159.50	0.00	0.00	0.00	113.67	99.29
- STD. DEV.	0.00	9.44	18.14	21.90	25.11	18.88	6.36	0.00	0.00	0.00	43.98	34.34

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	5	0	57	110	26	1	0	0
% AT STAGE	0.50	2.50	0.00	28.50	55.00	13.00	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	36	71	0	107
%	33.64	66.36	0.00	100.00
% SAMPLE WEIGHT	12.74	33.58	0.00	46.32

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	89	107	4	200
%	44.50	53.50	2.00	100.00
MEAN WEIGHT	97.26	102.69	53.50	99.29
% SAMP. WT.	43.59	55.33	1.08	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 242 - HESQUIAT HARBOUR
SAMPLE NUMBERS: 271,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 16/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	9	12	59	9	5	0	2	4	100
% AT AGE	0.00	0.00	0.00	9.38	12.50	61.46	9.38	5.21	0.00	2.08	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	206.67	214.42	215.00	222.67	223.40	0.00	229.50	212.25	215.47
- STD. DEV.	0.00	0.00	0.00	5.00	5.81	7.28	4.47	8.79	0.00	12.02	2.22	7.92
WEIGHT - MEAN(gm)	0.00	0.00	0.00	131.22	148.58	148.14	162.78	158.80	0.00	154.50	147.50	148.62
- STD. DEV.	0.00	0.00	0.00	9.18	13.51	18.95	10.53	24.92	0.00	7.78	12.58	18.13

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	73	24	3	0	0
% AT STAGE	0.00	0.00	0.00	0.00	73.00	24.00	3.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	34	0	34
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	27.74	0.00	27.74

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	66	34	0	100
%	66.00	34.00	0.00	100.00
MEAN WEIGHT	145.98	153.74	0.00	148.62
% SAMP. WT.	64.83	35.17	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 95, 37,146,315, 43, 80, 54,106, 47,279,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2000 - MAR 7/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	51	179	155	178	309	47	12	6	1	62	1000
% AT AGE	0.00	5.44	19.08	16.52	18.98	32.94	5.01	1.28	0.64	0.11	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.59	178.21	192.14	203.46	211.03	215.49	223.42	229.67	239.00	203.24	198.12
- STD. DEV.	0.00	13.95	12.40	12.14	11.44	10.20	9.14	12.30	8.12	0.00	20.14	19.96
WEIGHT - MEAN(gm)	0.00	56.75	84.80	110.26	131.33	148.45	157.60	169.67	177.00	187.00	135.15	123.48
- STD. DEV.	0.00	18.50	18.21	23.13	22.50	22.41	21.34	33.96	23.71	0.00	39.48	37.03

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	72	728	196	3	0	0
% AT STAGE	0.00	0.00	0.10	7.20	72.80	19.60	0.30	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	56	434	1	491
%	11.41	88.39	0.20	100.00
% SAMPLE WEIGHT	3.48	28.80	0.00	32.28

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	509	491	0	1000
%	50.90	49.10	0.00	100.00
MEAN WEIGHT	116.26	130.98	0.00	123.48
% SAMP. WT.	47.92	52.08	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 252 - NOOTKA SOUND
SAMPLE NUMBERS: 8, 6,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 26/2000 - MAR 7/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	36	35	23	64	12	3	2	0	20	200
% AT AGE	0.00	2.78	20.00	19.44	12.78	35.56	6.67	1.67	1.11	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.80	181.97	191.09	203.35	212.12	216.25	222.33	223.00	0.00	203.70	200.51
- STD. DEV.	0.00	11.01	9.21	11.80	11.90	7.17	4.79	9.50	9.90	0.00	16.58	16.81
WEIGHT - MEAN(gm)	0.00	66.40	91.03	106.91	132.43	150.16	162.17	178.00	172.00	0.00	134.30	127.58
- STD. DEV.	0.00	14.06	15.94	23.69	25.01	20.27	18.64	39.28	59.40	0.00	34.46	34.96

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	7	145	46	2	0	0
% AT STAGE	0.00	0.00	0.00	3.50	72.50	23.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	6	103	0	109
%	5.50	94.50	0.00	100.00
% SAMPLE WEIGHT	2.19	30.63	0.00	32.82

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	91	109	0	200
%	45.50	54.50	0.00	100.00
MEAN WEIGHT	119.67	134.19	0.00	127.58
% SAMP. WT.	42.68	57.32	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 20, 17, 77, 73, 5, 4, 16,133,160, 68,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 13/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	257	164	189	253	37	19	10	4	58	1000
% AT AGE	0.00	0.96	27.28	17.41	20.06	26.86	3.93	2.02	1.06	0.42	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.78	182.15	190.83	204.46	209.83	217.24	216.42	223.70	230.00	201.72	198.31
- STD. DEV.	0.00	7.74	8.56	10.42	8.15	10.33	9.78	12.42	7.33	12.44	17.83	16.16
WEIGHT - MEAN(gm)	0.00	59.33	91.27	106.70	133.82	147.87	166.73	156.26	171.50	192.00	128.26	123.25
- STD. DEV.	0.00	11.31	14.85	20.15	20.48	22.26	24.60	29.40	18.03	30.14	34.16	33.03

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	2	3	79	755	153	4	0	0
% AT STAGE	0.40	0.20	0.30	7.90	75.50	15.30	0.40	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	63	480	1	544
%	11.58	88.24	0.18	100.00
% SAMPLE WEIGHT	3.86	27.88	0.00	31.74

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	451	544	5	1000
%	45.10	54.40	0.50	100.00
MEAN WEIGHT	116.18	129.43	89.00	123.25
% SAMP. WT.	42.51	57.13	0.36	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 271 - OTHER AREA 27
SAMPLE NUMBERS: 19,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 27/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	38	29	12	15	3	0	0	0	2	100
% AT AGE	0.00	1.02	38.78	29.59	12.24	15.31	3.06	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.00	179.76	185.14	201.50	206.13	204.67	0.00	0.00	0.00	180.00	188.49
- STD. DEV.	0.00	0.00	6.95	9.90	8.17	6.19	8.50	0.00	0.00	0.00	21.21	13.41
WEIGHT - MEAN(gm)	0.00	62.00	91.00	99.52	135.58	143.80	144.67	0.00	0.00	0.00	107.50	108.39
- STD. DEV.	0.00	0.00	10.60	18.28	20.50	10.77	24.42	0.00	0.00	0.00	44.55	26.69

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	10	70	20	0	0	0
% AT STAGE	0.00	0.00	0.00	10.00	70.00	20.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	40	0	49
%	18.37	81.63	0.00	100.00
% SAMPLE WEIGHT	8.31	32.85	0.00	41.16

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	49	0	100
%	51.00	49.00	0.00	100.00
MEAN WEIGHT	106.29	110.57	0.00	108.39
% SAMP. WT.	50.01	49.99	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 272 - BROOKS BAY
SAMPLE NUMBERS: 28, 18,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2000 - MAR 8/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	7	111	44	17	12	1	0	0	1	7	200
% AT AGE	0.00	3.63	57.51	22.80	8.81	6.22	0.52	0.00	0.00	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.29	181.32	185.80	198.00	206.75	203.00	0.00	0.00	230.00	185.86	185.12
- STD. DEV.	0.00	9.72	9.27	9.91	12.50	8.73	0.00	0.00	0.00	0.00	11.88	13.10
WEIGHT - MEAN(gm)	0.00	60.29	87.71	95.75	117.06	139.33	137.00	0.00	0.00	185.00	96.14	95.14
- STD. DEV.	0.00	11.25	15.36	16.55	20.97	21.40	0.00	0.00	0.00	0.00	21.74	23.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	16	152	30	2	0	0
% AT STAGE	0.00	0.00	0.00	8.00	76.00	15.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	108	0	111
%	2.70	97.30	0.00	100.00
% SAMPLE WEIGHT	1.59	43.50	0.00	45.09

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	89	111	0	200
%	44.50	55.50	0.00	100.00
MEAN WEIGHT	93.94	96.10	0.00	95.14
% SAMP. WT.	43.94	56.06	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by section

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 60,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	53	18	12	9	2	0	0	0	5	100
% AT AGE	0.00	1.05	55.79	18.95	12.63	9.47	2.11	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.00	178.81	181.67	195.75	206.89	202.50	0.00	0.00	0.00	172.40	183.78
- STD. DEV.	0.00	0.00	9.21	7.28	8.39	7.25	3.54	0.00	0.00	0.00	12.30	13.23
WEIGHT - MEAN(gm)	0.00	48.00	86.70	92.67	117.00	148.11	147.50	0.00	0.00	0.00	81.40	97.50
- STD. DEV.	0.00	0.00	15.75	11.03	22.00	14.79	6.36	0.00	0.00	0.00	16.73	25.85

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	8	80	11	1	0	0
% AT STAGE	0.00	0.00	0.00	8.00	80.00	11.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	48	0	56
%	14.29	85.71	0.00	100.00
% SAMPLE WEIGHT	6.17	41.32	0.00	47.50

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	44	56	0	100
%	44.00	56.00	0.00	100.00
MEAN WEIGHT	89.05	104.14	0.00	97.50
% SAMP. WT.	40.18	59.82	0.00	100.00

Table 14. Test fishing sample summaries by statistical area

AREA: 2W - WEST COAST Q.C.I.
SAMPLE NUMBERS: 180,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 25/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	56	16	0	2	0	1	0	0	12	100
% AT AGE	0.00	14.77	63.64	18.18	0.00	2.27	0.00	1.14	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.54	178.54	181.50	0.00	227.00	0.00	202.00	0.00	0.00	177.17	178.75
- STD. DEV.	0.00	7.69	6.98	13.05	0.00	0.00	0.00	0.00	0.00	0.00	9.99	11.78
WEIGHT - MEAN(gm)	0.00	69.31	83.02	88.13	0.00	204.50	0.00	111.00	0.00	0.00	82.92	84.75
- STD. DEV.	0.00	11.78	12.29	26.50	0.00	27.58	0.00	0.00	0.00	0.00	15.69	23.96

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	2	2	85	4	7	0	0
% AT STAGE	0.00	0.00	2.00	2.00	85.00	4.00	7.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	23	0	26
%	11.54	88.46	0.00	100.00
% SAMPLE WEIGHT	2.67	41.91	0.00	44.58

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	74	26	0	100
%	74.00	26.00	0.00	100.00
MEAN WEIGHT	84.22	86.27	0.00	84.75
% SAMP. WT.	73.53	26.47	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 2E - EAST COAST Q.C.I.
SAMPLE NUMBERS: 139,186,137,151,154,157,158,135,134,132, 156,164,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/2000 - MAR 30/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	164	260	52	565	64	40	4	2	2	46	1199
% AT AGE	0.00	14.22	22.55	4.51	49.00	5.55	3.47	0.35	0.17	0.17	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.08	179.97	184.56	199.34	207.19	210.27	219.50	202.00	227.00	186.48	190.08
- STD. DEV.	0.00	9.25	9.40	19.29	9.68	9.26	11.90	8.74	8.49	2.83	20.34	17.53
WEIGHT - MEAN(gm)	0.00	55.23	80.58	93.79	115.82	130.66	133.82	141.00	129.00	159.00	95.26	99.71
- STD. DEV.	0.00	12.41	16.55	25.59	19.85	20.38	22.66	17.26	16.97	21.21	35.95	30.98

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	8	9	774	286	112	10	0
% AT STAGE	0.00	0.00	0.67	0.75	64.55	23.85	9.34	0.83	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	7	524	23	554
%	1.26	94.58	4.15	100.00
% SAMPLE WEIGHT	0.23	38.29	0.00	38.52

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	645	554	0	1199
%	53.79	46.21	0.00	100.00
MEAN WEIGHT	91.06	109.79	0.00	99.71
% SAMP. WT.	49.12	50.88	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 3 - NASS
SAMPLE NUMBERS: 266,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 20/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	11	9	23	17	31	5	1	1	2	100
% AT AGE	0.00	0.00	11.22	9.18	23.47	17.35	31.63	5.10	1.02	1.02	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	170.27	184.11	196.09	201.88	202.81	209.40	215.00	216.00	200.50	196.38
- STD. DEV.	0.00	0.00	11.80	7.69	9.26	8.92	11.47	7.40	0.00	0.00	4.95	14.73
WEIGHT - MEAN(gm)	0.00	0.00	67.18	85.11	108.35	116.41	120.52	125.20	130.00	175.00	105.50	108.54
- STD. DEV.	0.00	0.00	14.20	16.68	21.27	23.53	25.73	19.97	0.00	0.00	13.44	28.47

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	94	3	0	0	0
% AT STAGE	0.00	0.00	0.00	3.00	94.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	46	0	46
%	0.00	100.00	0.00	100.00
% SAMPLE WEIGHT	0.00	41.74	0.00	41.74

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	46	0	100
%	54.00	46.00	0.00	100.00
MEAN WEIGHT	102.94	115.11	0.00	108.54
% SAMP. WT.	51.22	48.78	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 4 - SKEENA
SAMPLE NUMBERS: 269,276,264,259,272,262,255,277,267,265,
250,275,257,263,251,258,261,253,270,260,
278,252,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 10/2000 - APR 2/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	47	667	227	446	227	421	51	14	8	92	2200
% AT AGE	0.00	2.23	31.64	10.77	21.16	10.77	19.97	2.42	0.66	0.38	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.81	168.49	181.39	190.58	194.71	199.68	204.45	208.00	216.00	188.46	184.61
- STD. DEV.	0.00	13.27	11.59	11.79	11.53	10.18	10.79	12.89	14.46	7.50	19.68	18.11
WEIGHT - MEAN(gm)	0.00	38.85	64.28	82.24	96.82	103.59	114.78	125.25	123.86	137.25	95.90	89.29
- STD. DEV.	0.00	13.79	16.09	19.23	22.41	21.03	23.19	28.26	30.33	12.74	32.91	29.89

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	24	12	557	1391	203	4	0	5
% AT STAGE	0.18	1.09	0.55	25.32	63.23	9.23	0.18	0.00	0.23

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	357	714	2	1073
%	33.27	66.54	0.19	100.00
% SAMPLE WEIGHT	14.72	32.54	0.00	47.25

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1116	1073	11	2200
%	50.73	48.77	0.50	100.00
MEAN WEIGHT	86.20	93.10	31.18	89.29
% SAMP. WT.	48.97	50.85	0.17	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 5 - GRENVILLE-PRINCIPE
SAMPLE NUMBERS: 183,176,185,173,195,188,182,187,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 19/2000 - APR 1/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	216	67	257	116	76	13	2	3	36	800
% AT AGE	0.00	1.83	28.27	8.77	33.64	15.18	9.95	1.70	0.26	0.39	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.71	174.26	183.27	193.07	197.22	203.62	205.38	219.00	213.67	181.69	188.07
- STD. DEV.	0.00	7.98	10.23	12.55	9.71	9.65	10.35	6.46	4.24	2.08	19.18	15.24
WEIGHT - MEAN(gm)	0.00	62.21	75.66	91.82	107.08	113.73	128.50	137.46	138.00	146.00	92.25	99.58
- STD. DEV.	0.00	11.72	16.49	21.78	20.23	20.79	24.23	18.21	1.41	13.89	27.28	27.38

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	27	611	145	16	0	0
% AT STAGE	0.00	0.13	0.00	3.38	76.38	18.13	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	399	3	426
%	5.63	93.66	0.70	100.00
% SAMPLE WEIGHT	2.69	42.68	0.00	45.36

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	374	426	0	800
%	46.75	53.25	0.00	100.00
MEAN WEIGHT	93.66	104.79	0.00	99.58
% SAMP. WT.	43.97	56.03	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 6 - BUTEDALE
SAMPLE NUMBERS: 181,149,174,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/2000 - MAR 21/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	44	26	127	72	14	4	0	1	11	299
% AT AGE	0.00	0.00	15.28	9.03	44.10	25.00	4.86	1.39	0.00	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	176.98	184.46	189.36	196.33	198.07	202.25	0.00	232.00	190.45	189.56
- STD. DEV.	0.00	0.00	8.81	10.85	10.03	10.39	10.36	8.96	0.00	0.00	8.37	12.07
WEIGHT - MEAN(gm)	0.00	0.00	78.27	86.81	97.50	109.68	116.07	122.50	0.00	154.00	94.73	97.97
- STD. DEV.	0.00	0.00	13.16	19.27	18.41	19.36	20.80	13.40	0.00	0.00	6.97	21.14

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	16	213	69	0	0	0
% AT STAGE	0.00	0.00	0.33	5.35	71.24	23.08	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	148	0	157
%	5.73	94.27	0.00	100.00
% SAMPLE WEIGHT	1.50	41.94	0.00	43.43

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	142	157	0	299
%	47.49	52.51	0.00	100.00
MEAN WEIGHT	93.27	102.22	0.00	97.97
% SAMP. WT.	45.21	54.79	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 7 - BELLA BELLA
SAMPLE NUMBERS: 179,166,189,147,142, 66,168,162, 84, 62,
167,175,161,155, 83, 81,153,150,201,178,
111,192,165,169,190,163,170,177,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 3/2000 - MAR 22/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	506	307	959	691	155	31	29	21	88	2800
% AT AGE	0.00	0.48	18.66	11.32	35.36	25.48	5.72	1.14	1.07	0.77	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.00	174.47	181.45	194.36	200.68	204.21	209.16	221.52	225.14	191.32	191.86
- STD. DEV.	0.00	9.98	12.60	11.31	11.01	11.38	11.52	13.45	11.84	9.37	14.03	16.02
WEIGHT - MEAN(gm)	0.00	53.38	78.98	89.28	113.00	127.53	136.40	145.42	167.17	172.52	108.22	110.07
- STD. DEV.	0.00	12.51	19.53	20.24	22.93	25.28	24.29	26.07	26.91	22.69	27.58	30.93

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	4	0	201	2141	442	9	1	0
% AT STAGE	0.07	0.14	0.00	7.18	76.46	15.79	0.32	0.04	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	159	1342	4	1505
%	10.56	89.17	0.27	100.00
% SAMPLE WEIGHT	4.27	34.57	0.00	38.84

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1291	1505	4	2800
%	46.11	53.75	0.14	100.00
MEAN WEIGHT	103.35	115.90	85.00	110.07
% SAMP. WT.	43.29	56.60	0.11	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 8 - BELLA COOLA
SAMPLE NUMBERS: 64,116, 82,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/2000 - MAR 21/2000

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	99	40	70	58	13	1	0	0	17	300
% AT AGE	0.00	0.71	34.98	14.13	24.73	20.49	4.59	0.35	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	148.00	170.74	177.05	185.26	189.67	193.92	205.00	0.00	0.00	177.00	179.95
- STD. DEV.	0.00	5.66	9.48	12.32	10.52	11.78	14.56	0.00	0.00	0.00	15.32	13.94
WEIGHT - MEAN(gm)	0.00	36.50	73.12	82.18	94.70	104.98	113.08	137.00	0.00	0.00	82.24	87.74
- STD. DEV.	0.00	2.12	13.90	19.56	23.24	27.05	26.15	0.00	0.00	0.00	22.18	25.11

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	17	190	87	2	0	0
% AT STAGE	0.00	1.33	0.00	5.67	63.33	29.00	0.67	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	138	1	153
%	9.15	90.20	0.65	100.00
% SAMPLE WEIGHT	3.25	44.79	0.00	48.04

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	143	153	4	300
%	47.67	51.00	1.33	100.00
MEAN WEIGHT	84.12	92.38	39.75	87.74
% SAMP. WT.	45.70	53.70	0.60	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 14 - COMOX
SAMPLE NUMBERS: 45, 57, 76, 31, 97,105, 53,145, 38,148, 98, 39, 48, 99,108, 55, 40,109,100, 34, 49, 9, 11, 12, 56, 50, 42,141, 44, 96, 312,104, 79, 52, 2,110, 36, 94,102,103, 254,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2000 - MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	3	386	1417	770	905	314	68	12	8	0	213	4096
% AT AGE	0.08	9.94	36.49	19.83	23.31	8.09	1.75	0.31	0.21	0.00	0.00	100.00
LENGTH - MEAN(mm)	114.00	158.53	173.42	188.36	195.82	206.04	211.62	216.08	213.50	0.00	184.12	183.62
- STD. DEV.	17.52	10.70	10.85	13.53	11.22	10.45	9.84	11.00	20.66	0.00	20.23	18.40
WEIGHT - MEAN(gm)	18.33	52.94	72.17	96.88	110.31	130.42	141.96	156.08	148.50	0.00	92.02	90.44
- STD. DEV.	8.50	12.88	15.85	21.74	22.55	24.54	24.96	27.90	41.74	0.00	34.79	30.99

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	35	36	27	258	2711	740	287	1	1
% AT STAGE	0.85	0.88	0.66	6.30	66.19	18.07	7.01	0.02	0.02

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	200	1640	111	1951
%	10.25	84.06	5.69	100.00
% SAMPLE WEIGHT	3.75	38.90	0.00	42.64

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	2088	1951	57	4096
%	50.98	47.63	1.39	100.00
MEAN WEIGHT	86.35	96.32	39.37	90.44
% SAMP. WT.	48.67	50.73	0.61	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 15 - WESTVIEW
SAMPLE NUMBERS: 1,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 7/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	46	21	3	1	0	0	0	0	0	0	29	100
% AT AGE	64.79	29.58	4.23	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	108.02	142.10	149.00	166.00	0.00	0.00	0.00	0.00	0.00	0.00	111.83	118.09
- STD. DEV.	5.70	11.79	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.07	17.31
WEIGHT - MEAN(gm)	16.43	36.29	41.67	66.00	0.00	0.00	0.00	0.00	0.00	0.00	21.10	23.21
- STD. DEV.	2.41	9.27	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.22	13.87

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	87	10	3	0	0	0	0	0	0
% AT STAGE	87.00	10.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	2	0	0	2
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	4	2	94	100
%	4.00	2.00	94.00	100.00
MEAN WEIGHT	37.50	48.50	22.06	23.21
% SAMP. WT.	6.46	4.18	89.36	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 17 - NANAIMO
SAMPLE NUMBERS: 143, 78, 51,144, 71,119, 59, 75, 15, 13, 35, 41,115, 33,114,123, 32, 61, 58,112, 72, 24,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 20/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	310	880	348	323	150	37	3	1	0	148	2200
% AT AGE	0.00	15.11	42.88	16.96	15.74	7.31	1.80	0.15	0.05	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.07	171.40	183.01	194.01	203.25	210.30	220.33	224.00	0.00	171.32	177.45
- STD. DEV.	0.00	14.02	13.84	16.95	16.43	15.91	12.53	10.02	0.00	0.00	21.96	20.71
WEIGHT - MEAN(gm)	0.00	54.01	70.90	87.19	103.57	117.83	125.11	152.67	187.00	0.00	72.53	80.28
- STD. DEV.	0.00	15.44	17.71	24.45	25.79	28.02	22.69	14.05	0.00	0.00	28.34	28.85

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	7	5	52	1382	450	298	6	0
% AT STAGE	0.00	0.32	0.23	2.36	62.82	20.45	13.55	0.27	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	28	910	139	1077
%	2.60	84.49	12.91	100.00
% SAMPLE WEIGHT	1.00	43.81	0.00	44.81

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1120	1077	3	2200
%	50.91	48.95	0.14	100.00
MEAN WEIGHT	77.88	82.89	39.67	80.28
% SAMP. WT.	49.39	50.54	0.07	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 23 - BARKLEY SOUND
SAMPLE NUMBERS: 129,122,130, 25,124, 26, 27, 21, 29,126, 30,121, 23,280,128, 22,127,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 14/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	166	385	368	262	385	42	13	7	0	72	1700
% AT AGE	0.00	10.20	23.65	22.60	16.09	23.65	2.58	0.80	0.43	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.61	177.86	190.45	200.75	208.85	212.21	219.38	221.14	0.00	198.12	191.55
- STD. DEV.	0.00	9.52	11.22	11.80	9.86	10.07	10.12	8.26	10.96	0.00	20.30	19.26
WEIGHT - MEAN(gm)	0.00	58.72	84.32	105.91	126.54	142.23	151.26	158.92	156.86	0.00	121.22	110.20
- STD. DEV.	0.00	14.81	17.94	21.53	22.15	22.61	21.09	14.23	24.38	0.00	36.82	34.91

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	7	5	117	1173	386	9	2	0
% AT STAGE	0.06	0.41	0.29	6.88	69.00	22.71	0.53	0.12	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	76	730	4	810
%	9.38	90.12	0.49	100.00
% SAMPLE WEIGHT	3.39	35.47	0.00	38.86

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	884	810	6	1700
%	52.00	47.65	0.35	100.00
MEAN WEIGHT	104.77	116.56	52.67	110.20
% SAMP. WT.	49.44	50.40	0.17	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 24 - CLAYOQUOT SOUND
SAMPLE NUMBERS: 279, 37, 95,271,146, 54,106, 47,315, 43, 80,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 22/2000 - MAR 16/2000

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	51	179	164	190	368	56	17	6	3	66	1100
% AT AGE	0.00	4.93	17.31	15.86	18.38	35.59	5.42	1.64	0.58	0.29	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.59	178.21	192.94	204.15	211.67	216.64	223.41	229.67	232.67	203.79	199.70
- STD. DEV.	0.00	13.95	12.40	12.31	11.48	9.89	8.94	11.10	8.12	10.12	19.64	19.81
WEIGHT - MEAN(gm)	0.00	56.75	84.80	111.41	132.42	148.40	158.43	166.47	177.00	165.33	135.89	125.77
- STD. DEV.	0.00	18.50	18.21	23.07	22.41	21.87	20.02	31.21	23.71	19.55	38.45	36.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	72	801	220	6	0	0
% AT STAGE	0.00	0.00	0.09	6.55	72.82	20.00	0.55	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	56	468	1	525
%	10.67	89.14	0.19	100.00
% SAMPLE WEIGHT	3.22	28.72	0.00	31.94

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	575	525	0	1100
%	52.27	47.73	0.00	100.00
MEAN WEIGHT	119.67	132.45	0.00	125.77
% SAMP. WT.	49.74	50.26	0.00	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 25 - NOOTKA SOUND
SAMPLE NUMBERS: 4, 16,133,160, 17, 77, 73, 5, 20, 8, 6, 68,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/2000 - MAR 13/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	293	199	212	317	49	22	12	4	78	1200
% AT AGE	0.00	1.25	26.11	17.74	18.89	28.25	4.37	1.96	1.07	0.36	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.86	182.13	190.87	204.33	210.30	217.00	217.23	223.58	230.00	202.23	198.68
- STD. DEV.	0.00	8.74	8.63	10.64	8.61	9.81	8.78	12.04	7.28	12.44	17.43	16.28
WEIGHT - MEAN(gm)	0.00	61.86	91.24	106.74	133.67	148.33	165.61	159.23	171.58	192.00	129.81	123.97
- STD. DEV.	0.00	12.33	14.96	20.75	20.96	21.86	23.18	30.76	24.22	30.14	34.12	33.39

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	2	3	86	900	199	6	0	0
% AT STAGE	0.33	0.17	0.25	7.17	75.00	16.58	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	69	583	1	653
%	10.57	89.28	0.15	100.00
% SAMPLE WEIGHT	3.57	28.35	0.00	31.93

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	542	653	5	1200
%	45.17	54.42	0.42	100.00
MEAN WEIGHT	116.76	130.23	89.00	123.97
% SAMP. WT.	42.54	57.16	0.30	100.00

Table 14. (cont'd) Test fishing sample summaries by statistical area

AREA: 27 - QUATSINO SOUND
SAMPLE NUMBERS: 18, 19, 28, 60,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 27/2000 - MAR 8/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	202	91	41	36	6	0	0	1	14	400
% AT AGE	0.00	2.33	52.33	23.58	10.62	9.33	1.55	0.00	0.00	0.26	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.33	180.37	184.77	198.37	206.53	203.67	0.00	0.00	230.00	180.21	185.63
- STD. DEV.	0.00	9.14	8.89	9.48	10.26	7.17	5.72	0.00	0.00	0.00	13.67	13.29
WEIGHT - MEAN(gm)	0.00	59.11	88.06	96.34	122.46	143.39	144.33	0.00	0.00	185.00	92.50	99.04
- STD. DEV.	0.00	10.61	14.70	16.24	22.30	15.87	16.17	0.00	0.00	0.00	23.37	25.44

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	34	302	61	3	0	0
% AT STAGE	0.00	0.00	0.00	8.50	75.50	15.25	0.75	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	20	196	0	216
%	9.26	90.74	0.00	100.00
% SAMPLE WEIGHT	4.47	40.29	0.00	44.76

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	184	216	0	400
%	46.00	54.00	0.00	100.00
MEAN WEIGHT	96.20	101.47	0.00	99.04
% SAMP. WT.	44.68	55.32	0.00	100.00

Table 15. NTC sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 125, 91, 92,117,101,118, 88, 89,107, 86, 85,
SOURCE: OTHER
GEAR: OTHER SEINE
DATE: MAR 23/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	154	272	214	155	203	34	10	6	1	49	1098
% AT AGE	0.00	14.68	25.93	20.40	14.78	19.35	3.24	0.95	0.57	0.10	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.99	177.49	190.55	199.44	208.81	213.26	222.30	228.50	229.00	193.29	188.88
- STD. DEV.	0.00	9.90	10.62	11.80	10.30	12.14	6.48	10.65	5.32	0.00	22.24	20.53
WEIGHT - MEAN(gm)	0.00	53.49	73.94	91.40	104.65	121.33	121.47	143.10	154.83	137.00	98.08	91.25
- STD. DEV.	0.00	11.08	15.03	19.69	18.69	19.99	19.02	14.49	10.34	0.00	34.93	29.72

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	390	223	482	1	0
% AT STAGE	0.00	0.00	0.00	0.18	35.52	20.31	43.90	0.09	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	295	160	455
%	0.00	64.84	35.16	100.00
% SAMPLE WEIGHT	0.00	30.35	0.00	30.35

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	643	455	0	1098
%	58.56	41.44	0.00	100.00
MEAN WEIGHT	88.59	95.02	0.00	91.25
% SAMP. WT.	56.85	43.15	0.00	100.00

Table 15. (cont'd) NTC sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 90, 70, 69,120, 67,113, 87, 65, 63,
SOURCE: OTHER
GEAR: OTHER SEINE
DATE: MAR 23/2000

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	24	254	174	157	208	25	5	6	3	39	895
% AT AGE	0.00	2.80	29.67	20.33	18.34	24.30	2.92	0.58	0.70	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.04	180.70	192.10	203.11	210.47	213.72	221.00	223.17	227.00	192.92	195.31
- STD. DEV.	0.00	8.44	9.69	11.13	9.22	9.43	7.54	7.97	12.30	2.00	19.48	17.06
WEIGHT - MEAN(gm)	0.00	58.58	82.81	100.02	118.24	133.09	144.00	150.80	164.50	165.00	103.54	107.22
- STD. DEV.	0.00	20.29	15.65	18.53	21.70	24.16	25.00	14.15	35.15	10.82	33.34	30.63

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	11	540	185	159	0	0
% AT STAGE	0.00	0.00	0.00	1.23	60.34	20.67	17.77	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	335	47	382
%	0.00	87.70	12.30	100.00
% SAMPLE WEIGHT	0.00	34.25	0.05	34.29

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	513	382	0	895
%	57.32	42.68	0.00	100.00
MEAN WEIGHT	101.63	114.73	0.00	107.22
% SAMP. WT.	54.33	45.67	0.00	100.00

This page left blank purposely.

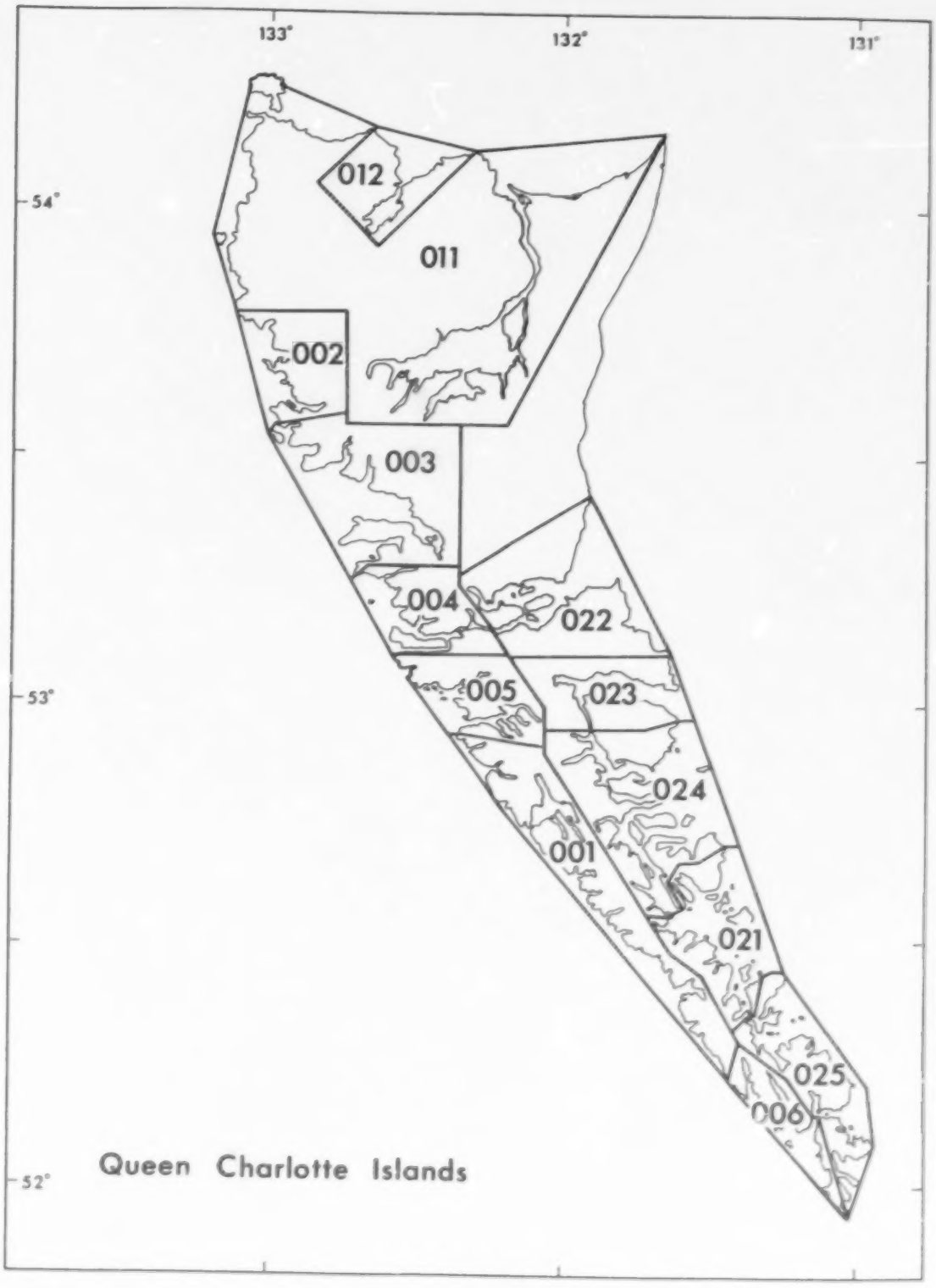

Fig. 1. Herring sections in the Queen Charlotte Islands region

This page left blank purposely.

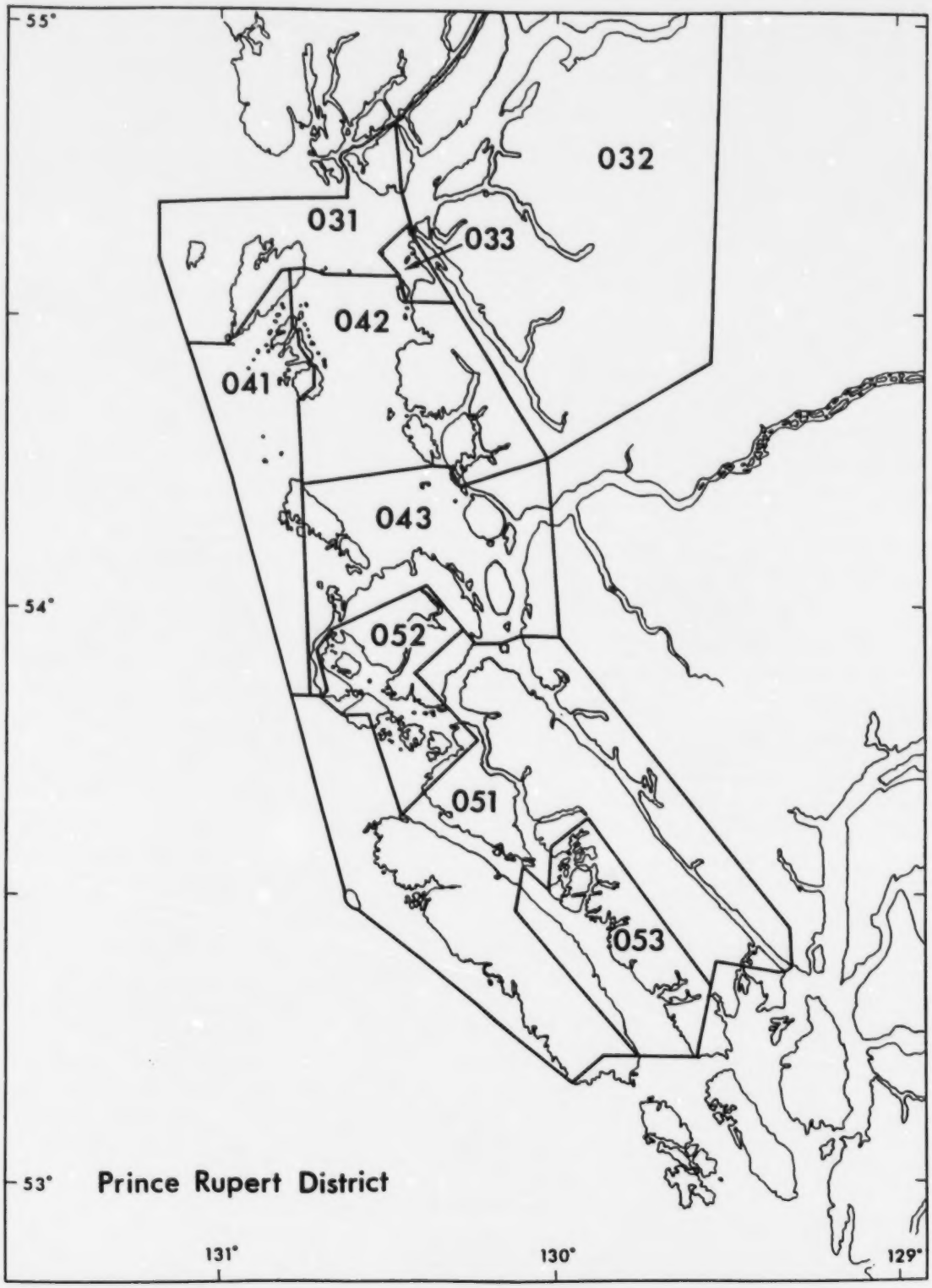

Fig. 2. Herring sections in the Prince Rupert District region

This page left blank purposely.

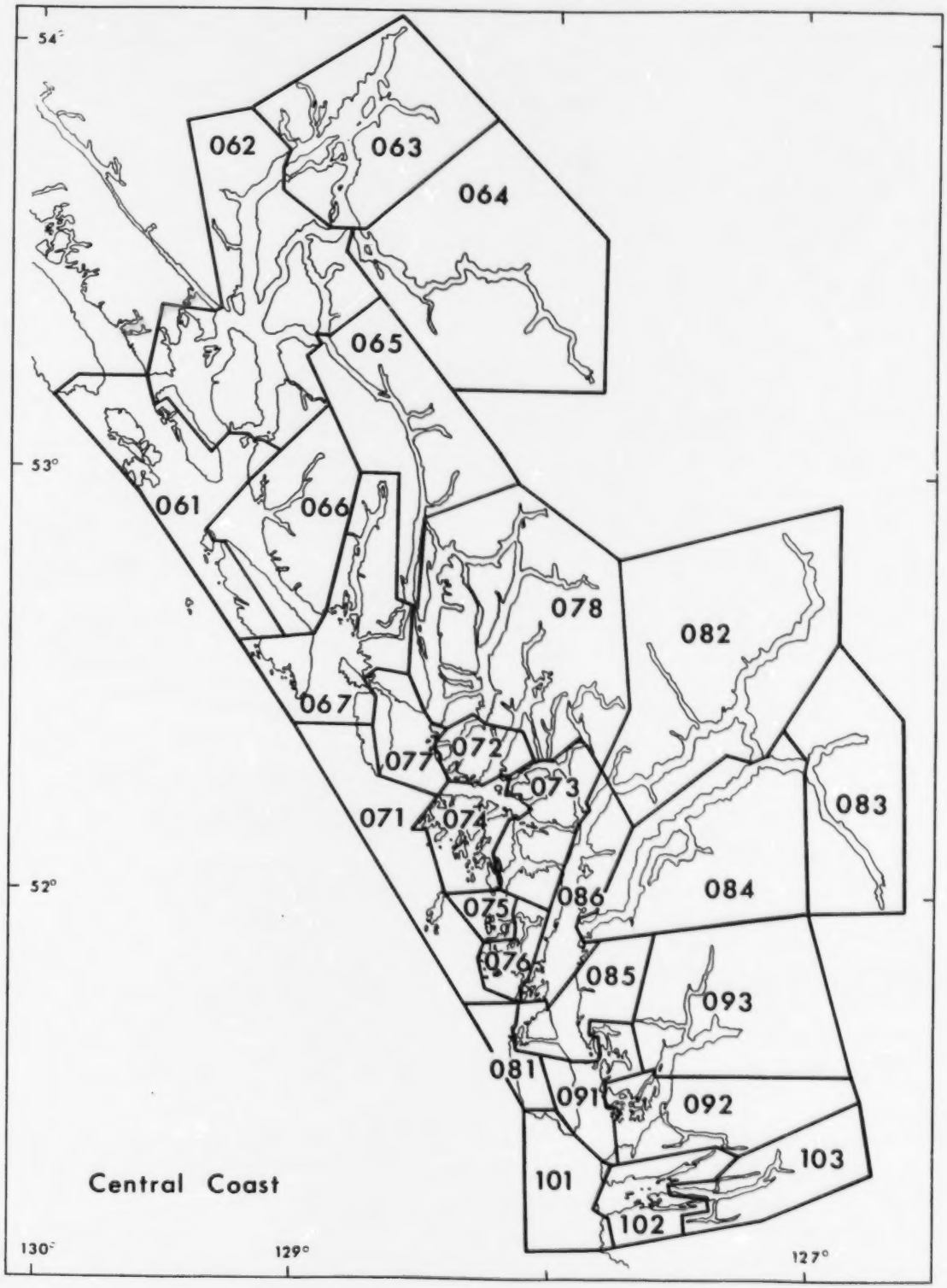

Fig. 3. Herring sections in the Central Coast region

This page left blank purposely.

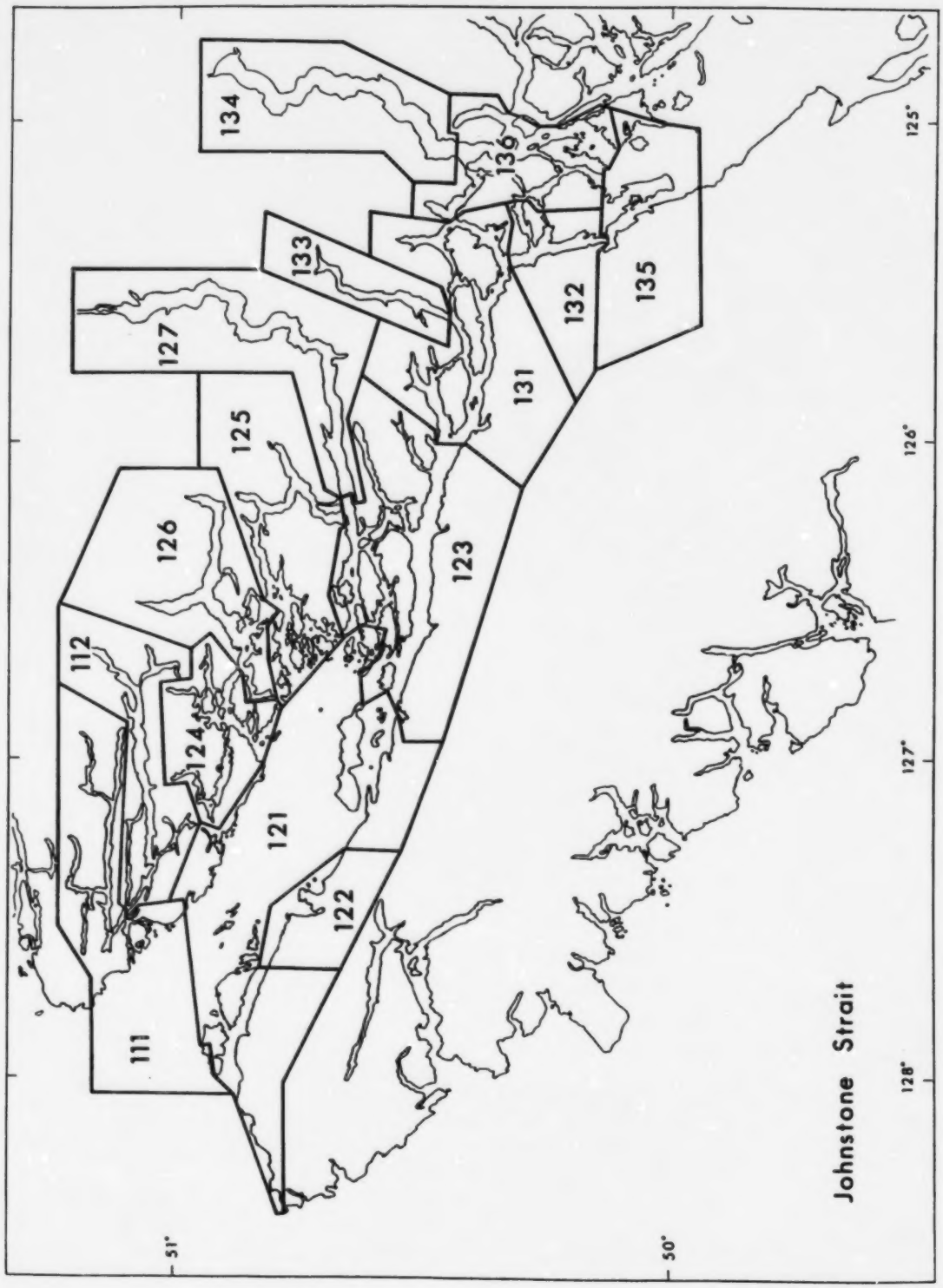

Fig. 4. Herring sections in the Johnstone Strait region

This page left blank purposely.

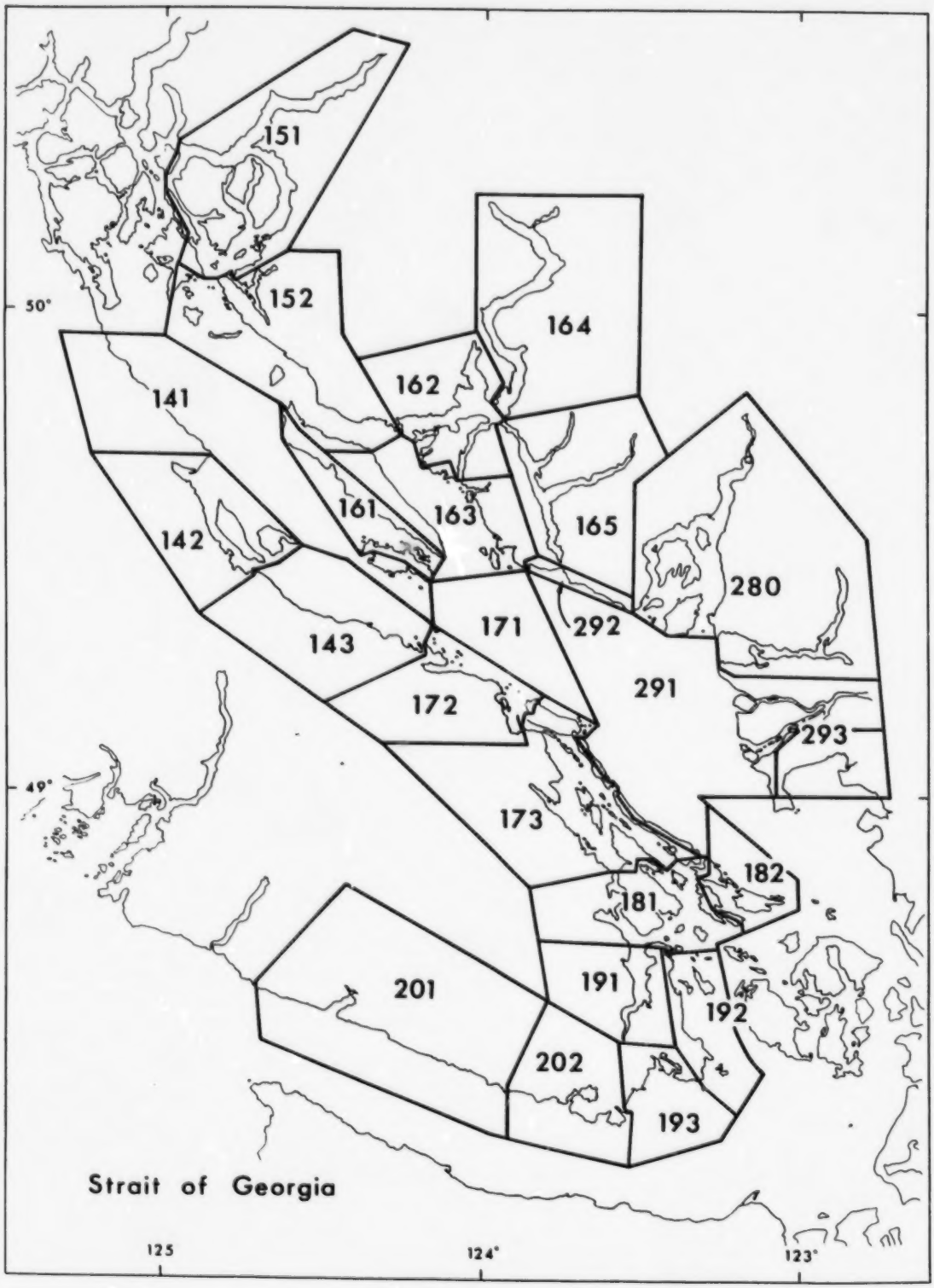

Fig. 5. Herring sections in the Strait of Georgia region

This page left blank purposely.

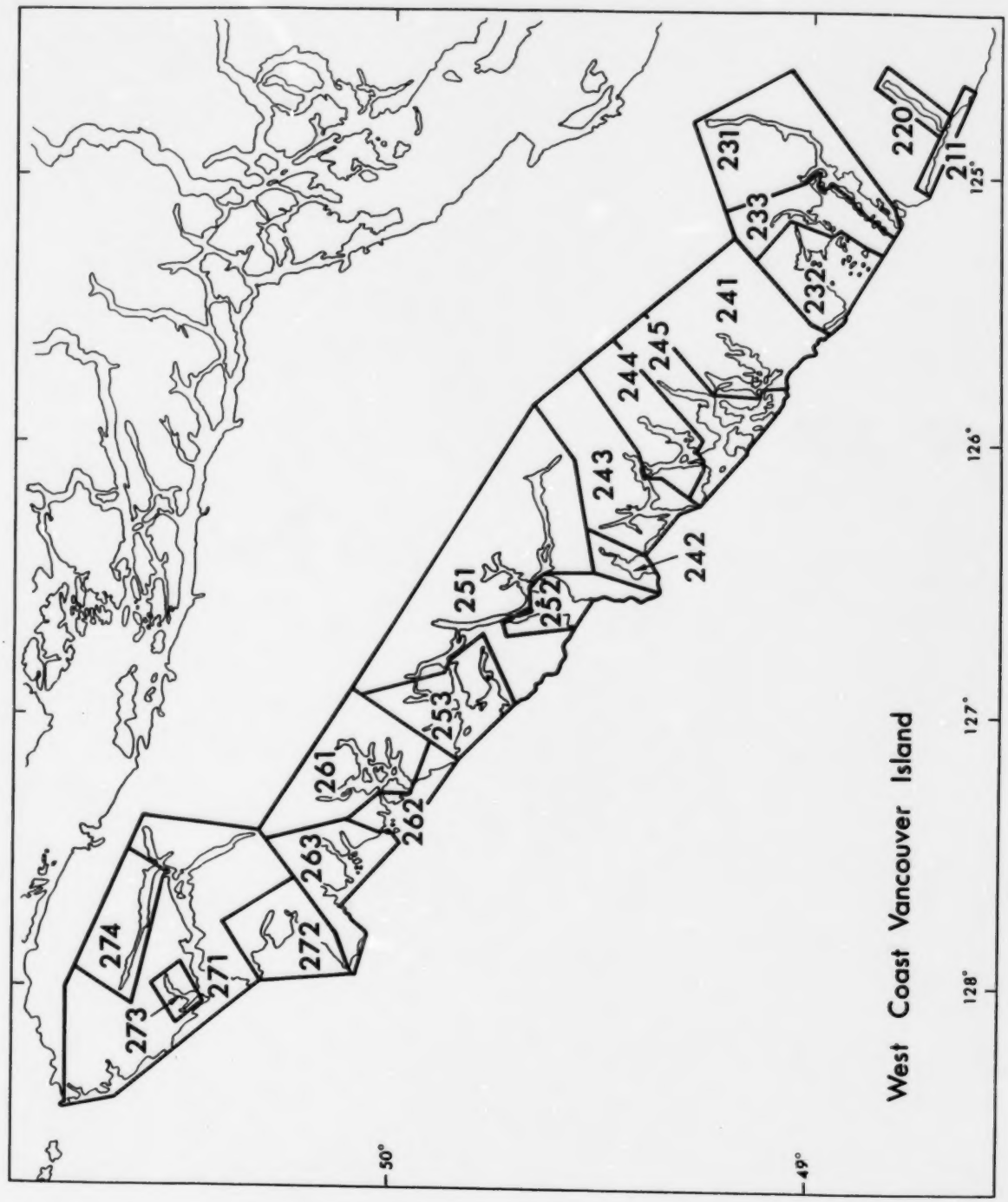

Fig. 6. Herring sections in the west coast of Vancouver Island region

This page left blank purposely.

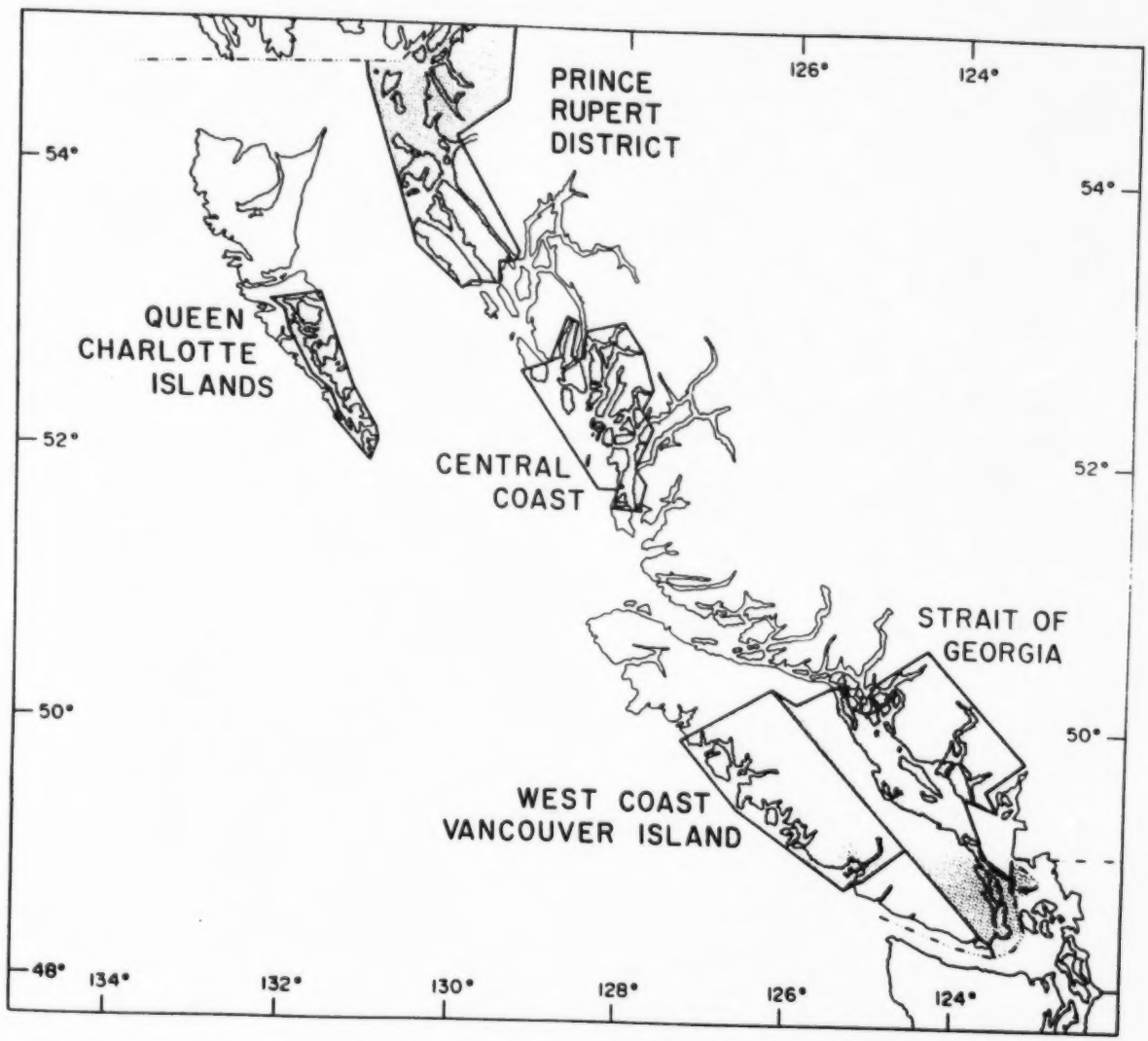

Fig. 7. Herring stock assessment regions in British Columbia